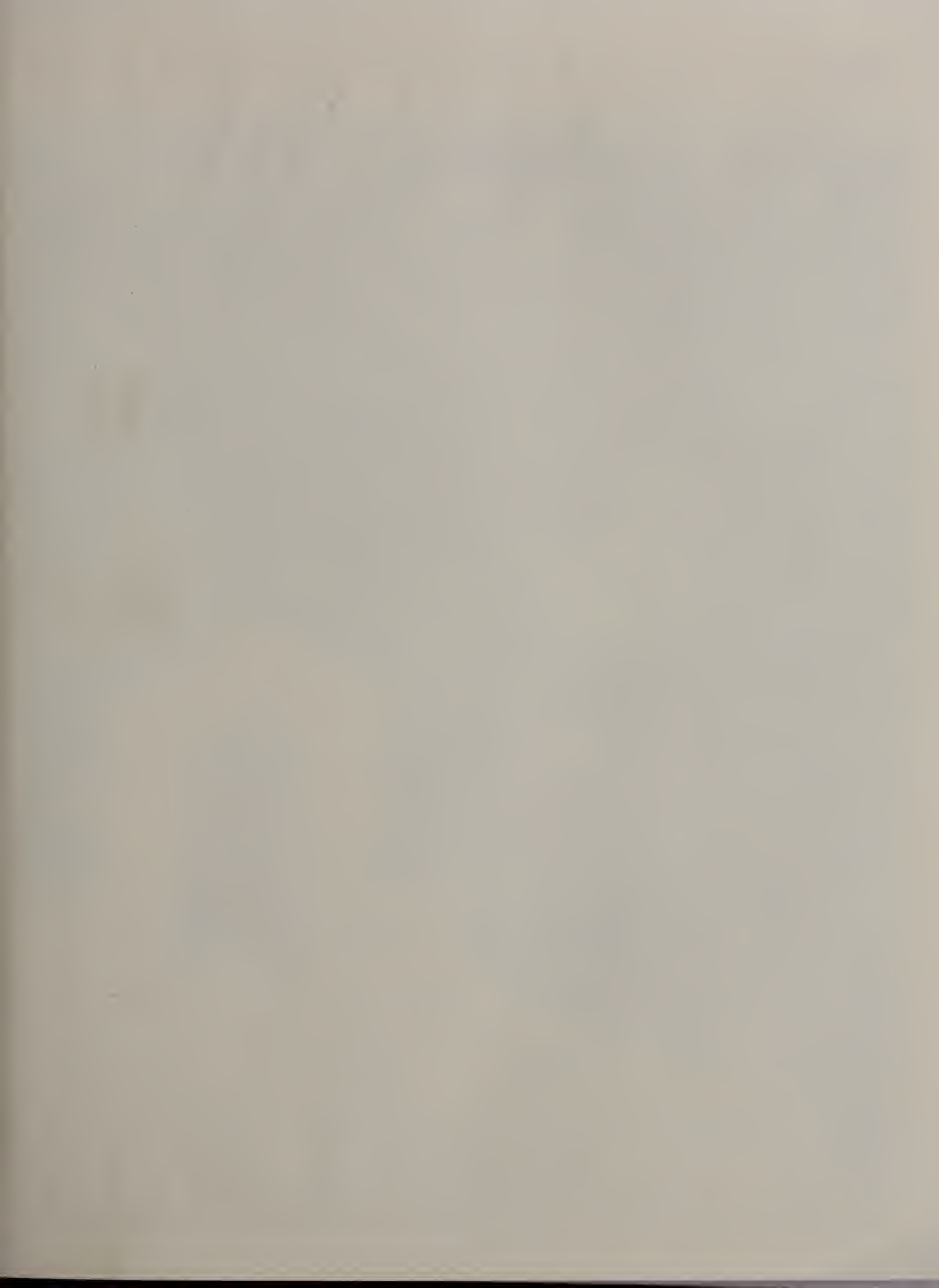


Harry A. Sprague
Library
Montclair State
University



REF

LD

3780

,N3

A12

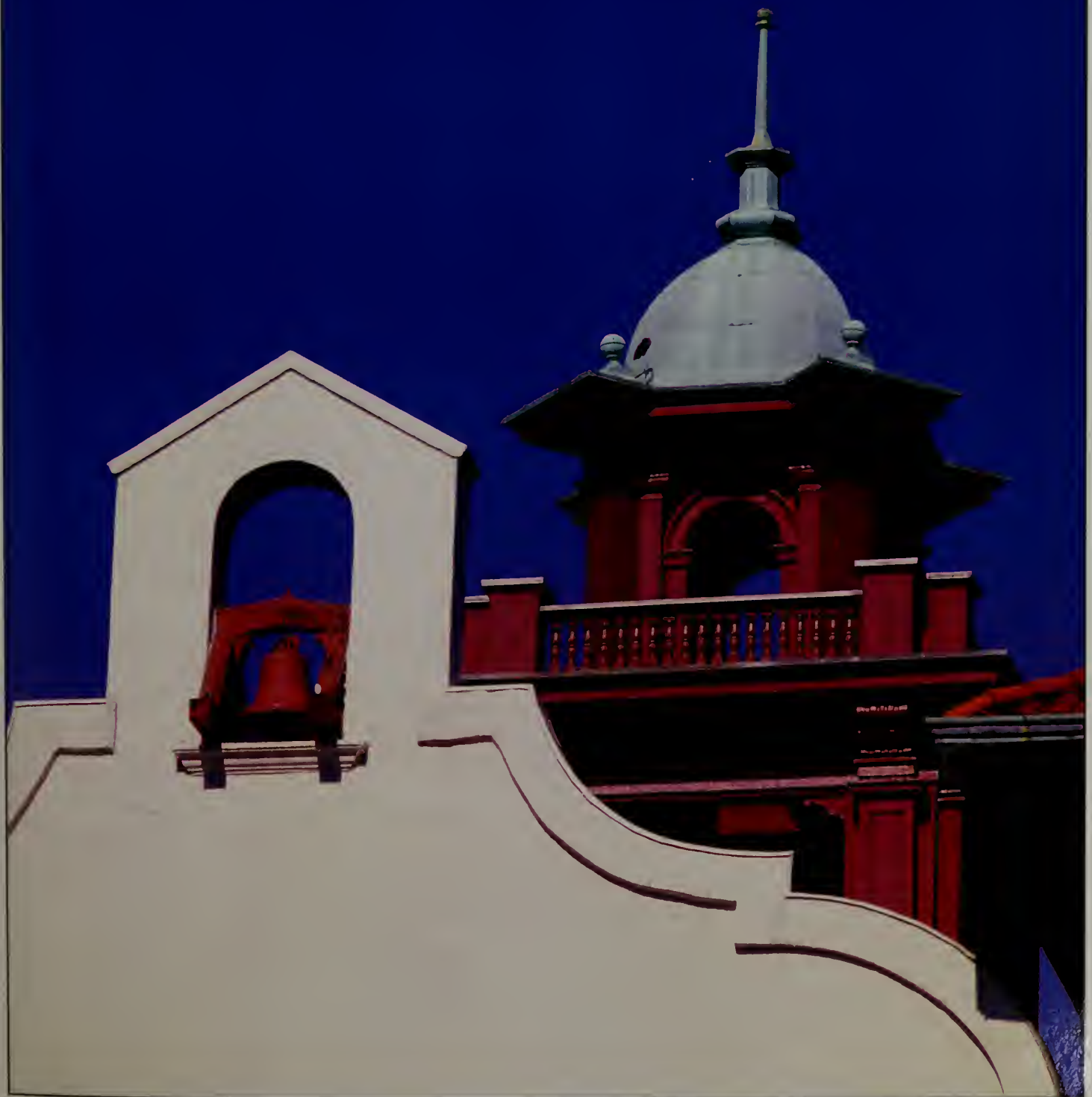
2000-

2006

C.1

MONTCLAIR STATE UNIVERSITY

UNDERGRADUATE CATALOG 2000-2002



Montclair State University at a Glance

Location:

200-acre campus, at the intersection of Valley Road and Normal Avenue, Upper Montclair, New Jersey (Essex County), one mile south of intersection of Valley Road and Route 46. Main entrance on Normal Avenue.

Background:

Established in 1908; is a state-assisted, coeducational, comprehensive public teaching university with a wide range of undergraduate and graduate programs and a commitment to excellence in instruction and research. Has offered Master of Arts programs since 1932, Master of Business Administration since 1981, Master of Education since 1985, Master of Science since 1992, Master of Fine Arts since 1998, and Doctor of Education since 1999.

Enrollment:

About 10,200 undergraduates and 3,100 graduate students in Fall 1999. Students come from all New Jersey counties, from other states, and from foreign countries. Some 2,100 live on campus with the remainder living in off-campus accommodations or commuting from home.

Faculty:

451 full-time faculty members.

Accreditation:

Accredited by the Middle States Association of Colleges and Schools, and by the National Council for the Accreditation of Teacher Education.

Degrees Offered:

Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Education.

Facilities:

Twelve major academic buildings, including the new Science Hall, which opened Fall 1999, student center building, library, gymnasium with pool and fitness center, playing fields, administration building, Yogi Berra Stadium and Museum, Floyd Hall Ice Arena, and housing for 2,100 students in residence halls and apartments.

Costs:

Annual tuition and fees (2000-2001): \$4,387.32 (based on 32 semester hours, undergraduate, New Jersey resident). Annual room and board (2000-2001): \$6,476 (based on a single room and maximum meal plan). Rates are subject to change without notice.

Financial Aid:

Some form of aid is provided to approximately 75 percent of qualified full-time undergraduate students. Aid is available as loans, grants, employment and a small number of scholarships. Part-time undergraduate students are also eligible for some programs. Assistance, primarily loans, is also available for eligible graduate students.

Montclair State University is an equal opportunity/affirmative action institution. In compliance with relevant federal and state civil rights legislation, Montclair State does not discriminate on the basis of gender, race, color, religion, national origin, age, affectional or sexual orientation, or physical capability in the operation of its educational program and activities (admission, access to programs and course offerings, competitive and intramural athletics, counseling, student and other employment, use of facilities, and campus sponsored extracurricular activities). Inquiries relating to equal opportunity/affirmative action issues may be directed to the offices of Student Development and Campus Life or Equal Opportunity/Affirmative Action.

Montclair State University recognizes its responsibility to foster an atmosphere of respect, understanding and good will among all individuals and groups, with special sensitivity to those most likely to be subjected to disrespect, abuse and misunderstanding because of their race, ethnicity, religion, gender, sexual preference, age or disabling condition. The goal is to create an unbiased community where all individuals feel free to express themselves in ways that are appropriate in a multi-ethnic and multi-cultural society, and to pursue their work and study in an atmosphere that values individuality and diversity. Underlying this statement is a respect for differences of opinion and freedom of speech. We must be diligent, however, to assure that differences do not degenerate into name-calling or insulting of individuals or groups. Such behavior can be destructive of courtesy and civility and endangers the environment needed for engaging in productive dialogue. Montclair State condemns any behavior that devalues persons and endangers the learning and work environment. Such behavior includes, but is not limited to, threats or acts of physical violence, verbal abuse, harassment, and discrimination. Montclair State encourages the practice of this human relations statement in every aspect of campus life.

Montclair State University is subject to NJSA 26:3D-15 through 21 on smoking in public places (Health and Vital Statistics). In compliance with this law, the President approved a smoking regulation that was endorsed by the Montclair State Senate on October 27, 1993 upon the recommendation of the ad hoc Smoking Cessation Committee. The regulation prohibits the smoking or carrying of lighted cigars, cigarettes, pipes, or any matter or substance that contains tobacco in all indoor spaces on the Montclair State campus. Indoor smoking is permitted only in private, fully-enclosed student residence hall rooms. If the room is jointly occupied, smoking is permitted only by consensus of all individuals occupying the room. Any member of the campus community may ask an individual to comply with the provisions of this regulation or may file a complaint with University Police and Security, who may issue a summons. Any individual who fails to comply is subject to a fine (typically \$25-\$200) as determined by the local court where the summons is filed.

The Undergraduate Catalog of Montclair State University is published biennially and presents announcements of general information, general academic regulations, and the academic program extant at the date of publication. Montclair State reserves the right to change any of its announcements, regulations or requirements at any time without notice or obligation. The Office of Academic Affairs is responsible for the preparation of the content of this publication.

Undergraduate Catalog

2000-2002



Montclair State University Main Number

(973) 655-4000

(800) 624-7780

Admissions

Russ Hall

(973) 655-4444

(800) 331-9205

FAX (973) 655-7700

E-mail: msuadm@mail.montclair.edu

Financial Aid

321 College Hall

(973) 655-4461

web-site: www.montclair.edu/financialaid

e-mail: financialaid@montclair.edu

Registrar

204 College Hall

(973) 655-4376

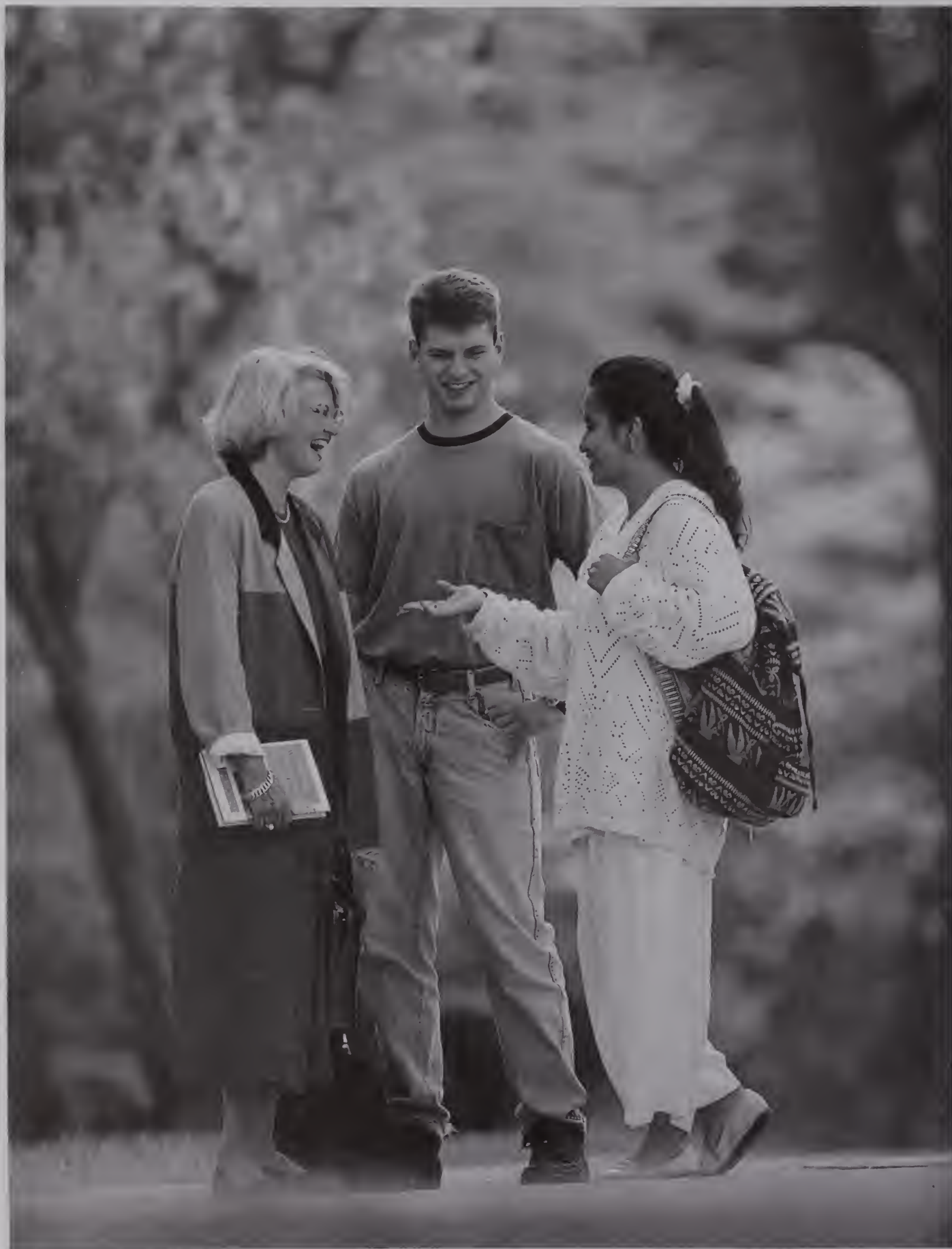
FAX (973) 655-7371

Residence Life

411 Bohn Hall

(973) 655-5188

FAX (973) 655-5400



Statement on the Undergraduate Program

The Board of Trustees of Montclair State University reaffirms its belief that the liberal arts and sciences form the essential basis of an undergraduate program of higher education.

In an era of decreasing resources, diminished public support, and increased popular interest in vocationalism, there are strong pressures to succumb to temporary concerns, and in doing so to lose sight of the enduring and essential purpose of a university education. There are also economic and political forces which, if not constrained by thoughtful response, threaten the integrity of academic processes and the quality of academic standards of institutions of higher education everywhere.

The Board of Montclair State University believes that the institution has the special purpose of contributing to, critically examining, preserving and transmitting the culture of our society to succeeding generations, and that the protection of this purpose is the public trust for which we are primarily responsible. We believe that the progress of Montclair State University towards this goal has been exemplary, and in particular we applaud the steps already taken by the faculty and administration to maintain and enhance these values. Consistent with the policy and planning function of the Board, however, we believe that faculty and administration efforts might be enhanced by an understanding of what the Board sets forth as a vision of the undergraduate program:

1. a rigorous and comprehensive program of general education required of all students which includes not only advanced learning skills and preparation for effective citizenship, but which also fosters an appreciation of a shared human heritage leading to the enhancement of the quality of both personal and community life;
2. an enrollment reflecting a balance between those students majoring in liberal arts programs, and those in professional and career programs which in addition to their own strengths, are soundly rooted in and related to the strengths of our liberal arts departments;
3. support programs which assist underprepared students who share our goals to meet the demanding standards of which we think they are capable if suitably challenged, excited and educated;
4. ongoing processes of program review and evaluation in which the joint efforts of faculty, administration and Board ensure maintenance of the highest standards of quality;
5. a diverse student body reflecting different cultural and social backgrounds, but united by a common commitment to the academic values for which Montclair State University stands;
6. programs which strengthen the efforts of an able and dedicated faculty and which support the scholar's continuing need for intellectual and personal renewal.

In setting these general goals, the Board recognizes the difficult economic and political environment likely to face higher education in the future, and that many other institutions have chosen to confront these challenges in a manner different from our own. We believe, however, that the need to create a distinctive mission and climate for Montclair State University and to prepare students fully for an uncertain but clearly difficult future requires us to make this commitment.

It is the Board's intent to view its future consideration of new policies and programs within the context of this statement.

Degree Programs and Concentrations*

ADMINISTRATION AND SUPERVISION	M.A.	EDUCATION	M.Ed.
Educator Trainer (Training Personnel)		Critical Thinking	
ALLIED HEALTH SERVICES	B.S.	Philosophy for Children	
ANTHROPOLOGY	B.A.	EDUCATIONAL PSYCHOLOGY	M.A.
APPLIED LINGUISTICS	M.A.	Child/Adolescent Clinical Psychology	
APPLIED SOCIOLOGY	M.A.	Clinical Psychology for Spanish-English Bilinguals	
BIOCHEMISTRY	B.S.	ENGLISH	B.A.
BIOLOGY	B.S.	Creative Writing	
Environmental Science-Biology		ENGLISH	M.A.
BIOLOGY	M.S.	ENVIRONMENTAL STUDIES	M.A.
Biology Science Education		Environmental Education	
BROADCASTING	B.A.	Environmental Health	
BUSINESS ADMINISTRATION	B.S., M.B.A.	Environmental Management	
Accounting		Environmental Science	
Finance		FINE ARTS	B.A.
International Business		Fine Arts Education	
Management		FINE ARTS	B.A., M.A.
Management Information Systems		Art History	
Marketing		Studio	
BUSINESS ADMINISTRATION	B.S.	FINE ARTS STUDIO	B.F.A.
Economics		FRENCH	B.A.
Office Systems Administration		French Civilization	
Quantitative Methods		Translation	
Retail Merchandising and Management		FRENCH	M.A.
BUSINESS ADMINISTRATION	M.B.A.	GENERAL HUMANITIES	B.A.
Business Economics		GEOGRAPHY	B.A.
BUSINESS EDUCATION	B.S., M.A.	Urban Studies	
CHEMISTRY	B.S., M.S.	GEOSCIENCE	B.S.
CLASSICS	B.A.	Environmental Science-Geoscience	
COMMUNICATION SCIENCES AND DISORDERS	M.A.	GEOSCIENCE	M.S.
Early Childhood Special Education		HEALTH EDUCATION	B.S.
Learning Disabilities		Community Health Services	
Speech-Language Pathology		HEALTH EDUCATION	M.A.
COMPUTER SCIENCE	B.S.	HISTORY	B.A.
Professional Computing		HUMAN ECOLOGY	B.A.
COMPUTER SCIENCE	B.S., M.S.	Consumer Affairs	
Informatics		Family and Child Studies-Applied	
COMPUTER SCIENCE	M.S.	Family and Child Studies-Child Life Specialist	
Applied Mathematics		Family and Child Studies-Early Childhood Education	
Applied Statistics		Fashion Studies	
COUNSELING, HUMAN SERVICES AND GUIDANCE	M.A.	Home Economics Education	
Human Services		HUMAN ECOLOGY	B.S.
DANCE	B.F.A.	Food and Nutrition-Dietetics	
ECONOMICS	B.A.	Food and Nutrition-Food Technology	
Business Economics		Food and Nutrition-General	
EDUCATION	Ed.D.	Foodservice Management	
Pedagogy/Mathematics Education		HUMAN ECOLOGY	M.A.
Pedagogy/Philosophy for Children		Family Life Education	
		Family Relations/Child Development	
		Home Economics Education	
		Home Management/Consumer Economics	
		Nutrition Education	
		ITALIAN	B.A.

JUSTICE STUDIES	B.A.
Child Advocacy	
Justice Systems	
Paralegal Studies	
LATIN	B.A.
LEGAL STUDIES	M.A.
Dispute Resolution	
Legal Management, Information, and Technology	
LINGUISTICS	B.A.
MATHEMATICS	B.S.
Applied Mathematics	
MATHEMATICS	M.S.
Computer Science	
Mathematics Education	
Pure and Applied Mathematics	
Statistics	
MOLECULAR BIOLOGY	B.S.
MUSIC	B.A.
Music Education	
MUSIC	B.Mus.
Performance	
Theory Composition	
MUSIC (Five-year combined undergraduate program culminating with the award of the B.Mus. and B.A. degrees)	B. Mus./B.A.
MUSIC	M.A.
Music Education	
Music Therapy	
Performance	
Theory Composition	
MUSIC THERAPY	B.A.
PHILOSOPHY	B.A.
PHYSICAL EDUCATION	B.S.
Adult Fitness Program	
PHYSICAL EDUCATION	M.A.
Coaching and Sports Administration	
Exercise Sciences	
Teaching and Supervision of Physical Education	
PHYSICS	B.S.
POLITICAL SCIENCE	B.A.
PRACTICAL ANTHROPOLOGY (Five-year combined undergraduate and graduate program culminating with the award of the B.A. and M.A. degrees)	B.A./M.A.
PSYCHOLOGY	B.A.
PSYCHOLOGY	M.A.
Industrial and Organizational Psychology	
READING	M.A.
RECREATION PROFESSIONS	B.S.
Commercial Recreation and Tourism	
Therapeutic Recreation	
RELIGIOUS STUDIES	B.A.

SOCIAL SCIENCES	M.A.
Anthropology	
Economics	
History	
SOCIOLOGY	B.A.
SPANISH	B.A.
Translation	
SPANISH	M.A.
SPEECH COMMUNICATION	B.A.
Speech/Theatre Education	
SPEECH AND THEATRE	M.A.
Communication Arts	
Theatre	
STATISTICS	M.S.
STUDIO ART	M.F.A.
TEACHING	M.A.T.
Teaching Middle School Philosophy	
TECHNOLOGY EDUCATION	B.S., M.A.
THEATRE	B.F.A.
Acting	
Production/Design	
THEATRE STUDIES	B.A.
WOMEN'S STUDIES	B.A.

**Additional minors and certification programs are offered. Check index for reference to appropriate sections of catalog.*

Accreditations and Memberships

Montclair State University is accredited by the Middle States Association of Colleges and Schools. In addition, the National Council for the Accreditation of Teacher Education has granted accreditation for the preparation of elementary and secondary school teachers as well as administrative and school service personnel. Those programs leading to certification are approved by the New Jersey Department of Education using the standards of the National Association of State Directors of Teacher Education and Certification.

Other academic accreditations include AACSB-The International Association for Management Education (baccalaureate and graduate degree programs in business, School of Business), American Association of Family and Consumer Sciences, American Dietetic Association, (Department of Human Ecology, College of Education and Human Services), American Speech-Language-Hearing Association (Department of Communication Sciences and Disorders, College of Humanities and Social Sciences), National Association of Schools of Art and Design (Department of Fine Arts, School of the Arts), National Association of Schools of Dance (Department of Theatre and Dance, School of the Arts), National Association of Schools of Music (Department of Music, School of the Arts), National Association of Schools of Theatre (Department of Theatre and Dance, School of the Arts), and National Recreation and Park Association (Department of Health Professions, Physical Education, Recreation, and Leisure Studies, College of Education and Human Services). The undergraduate concentration in Professional Computing offered by the Department of Computer Science, College of Science and Mathematics, is accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB). In addition, the Master of Arts degree program in Communication Sciences and Disorders, concentration in Speech-Language Pathology, offered by the Department of Communication Sciences and Disorders, College of Humanities and Social Sciences, has been approved for the preparation of professional personnel in Special Education by The Council for Exceptional Children; the undergraduate minor in Paralegal Studies offered by the Department of Legal Studies, College of Humanities and Social Sciences, has been approved by the American Bar Association; programs offered by the Department of Chemistry and Biochemistry, College of Science and Mathematics, have been approved by the American Chemical Society; and the undergraduate program in Music Therapy offered by the Department of Music, School of the Arts, has been approved by the National Association for Music Therapy.

Montclair State University is a member of the American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Council on Education, Association of American Colleges, Association for Gerontology in Higher Education, Council of Graduate Schools in the United States, National Association of State Universities and Land-Grant Colleges, National Network for Educational Renewal and the Holmes Partnership, New Jersey Association of Colleges and Universities, New Jersey Association of Colleges for Teacher Education, North American Association of Summer Sessions, and Northeastern Association of Graduate Schools. Women graduates of Montclair State University are accepted for membership in the American Association of University Women.



Colleges and Schools

College of Education and Human Services

Interim Dean: Ada Beth Cutler, Ed.D.

Assistant Dean: Leslie E. Jenkins, M.A.

The College of Education and Human Services prepares students for professional careers in private industry, government agencies, non-profit organizations, and public and private schools. All programs in the College are firmly grounded in the liberal arts, and include an opportunity for field based internships. Graduate degree programs are offered by all departments. In its instructional programs, the College prides itself on highly qualified faculty members who maintain close contact with their disciplines and professions, who contribute regularly to scholarship, and who are excellent teachers dedicated to giving personal attention to all students. The application of appropriate instructional technology permeates all programs.

The University's Center of Pedagogy, in which the College of Education and Human Services plays a major role, is responsible for the coordination of the award winning teacher education program. The University's program is informed by its long standing participation in the Agenda for Education in a Democracy and the National Network for Educational Renewal, founded by John Goodlad, its participation in the National Education Association's Teacher Education Initiative, and its membership in the Holmes Partnership. The New Jersey Network for Educational Renewal at Montclair State University is a highly developed school University partnership which includes more than twenty school districts which are the primary sites for field experiences.

For our programs in food science, dietetics, consumer science, fashion studies, and recreation and leisure studies, extensive contacts and partnerships with the appropriate industries in the region and nation are maintained. The College operates on the premise that it has an obligation to be a partner in the ongoing renewal of the professions for which it prepares students.

Through all its work, the College maintains a commitment to bettering the lives of those living in the region, and a commitment to teaching for critical thinking, the promotion of democratic citizenship and to social justice. The College maintains an Office of the Agenda for Education in a democracy to promote these ends. As part of this commitment, programs to maintain and extend diversity among students and faculty are a high priority.

Departments within the College are:

COUNSELING, HUMAN DEVELOPMENT AND
EDUCATIONAL LEADERSHIP
CURRICULUM AND TEACHING
EDUCATIONAL FOUNDATIONS
HEALTH PROFESSIONS, PHYSICAL EDUCATION,
RECREATION AND LEISURE STUDIES
HUMAN ECOLOGY
READING AND EDUCATIONAL MEDIA

College of Humanities and Social Sciences

Dean: Richard J. Gigliotti, Ph.D.

Assistant Dean: To Be Appointed

Although the departments that comprise the College of Humanities and Social Sciences have traditionally been concerned with the activities and issues central to the liberal arts and general education, they also offer undergraduate and graduate programs with specific career objectives.

Each department, with the exception of Legal Studies and Communication Sciences and Disorders, offers at least one major program leading to the Bachelor of Arts degree. The Department of Legal Studies offers a minor in Paralegal Studies, a minor in Pre-Law Studies and a Master of Arts in Legal Studies. Communication Sciences and Disorders offers a masters degree only. Teacher certification is available in most fields.

The College continuously examines its curriculum to strengthen current programs and to reflect new directions. The increasingly important role played by computers in the humanities and social sciences is one example of the vitality and relevance of the curriculum. It also provides numerous opportunities for internship training in business, clinical, governmental, and educational settings, including the Communication Disorders Center and the Psychoeducational Center located on campus. Interdisciplinary and applied minor programs, whereby students may obtain a broad liberal education along with specific career skills are encouraged.

In its brief history, the College of Humanities and Social Sciences has established a unique identity based upon diversity within a unified, organic whole. Its broad spectrum of departments and programs embraces a variety of methods, content and organization, each bearing a special relationship to the others.

Departments within the College are:

ANTHROPOLOGY
CLASSICS AND GENERAL HUMANITIES
COMMUNICATION SCIENCES AND DISORDERS
ENGLISH
FRENCH, GERMAN, AND RUSSIAN
HISTORY
LEGAL STUDIES
LINGUISTICS
PHILOSOPHY AND RELIGION
POLITICAL SCIENCE
PSYCHOLOGY
SOCIOLOGY
SPANISH/ ITALIAN

College of Science and Mathematics

Interim Dean: Kenneth C. Wolff, Ph.D.

Assistant Dean: Joseph G. Marina, Ph.D.

Programs within the College of Science and Mathematics provide a sound foundation for careers in industry, government, pre-medicine, pre-dentistry and other health professions, as well as for post-baccalaureate studies in graduate or professional schools. Programs leading to teacher certification are also available in appropriate fields.

Under the direction of knowledgeable and dedicated faculty mentors, students have access to unusually extensive facilities and state-of-the-art equipment including scanning and transmission electron microscopes, a cell culture laboratory, an animal room, greenhouse, scintillation counters, Fourier transform nuclear magnetic resonance spectrometers, gas chromatograph/mass spectrometers and X-ray diffraction spectrometers. Undergraduate research programs and internships provide students with a unique opportunity to learn how science is accomplished.

Since scientific computing has unique requirements, the College supports its own local area network (Sci Net). Sci Net consists of a number of state-of-the-art RISC SUN workstations and servers, DEC microVAXen, graphic workstations, IBM PCs and Apple Macintosh microcomputers. Through networking, students in all the College of Science and Mathematics departments have access to national and international computer networks and bulletin boards.

The New Jersey School of Conservation (SOC), located on 240 acres of state forest in northwestern New Jersey, is a part of the College of Science and Mathematics. The SOC is the oldest and largest residential environmental field center operated by a university in the world. Annually, about 10,000 school children, their teachers and undergraduate and graduate students from various colleges and universities participate in courses and workshops offered at the SOC. In addition, faculty at SOC and on-campus work together on a number of initiatives in the utilization of the SOC as an environmental laboratory.

A number of programs leading to degrees are administered in the College including: Biology, Biochemistry, Chemistry, Computer Science, Geography, Geosciences, Mathematics, Molecular Biology and Physics. In addition, the College houses the Health Careers Program, designed to increase career opportunities for the underrepresented in science.

For pre-professional students, there are also seven-year programs offered jointly by Montclair State University and the University of Medicine and Dentistry-NJ (UMDNJ) leading to the BS degree at Montclair State and either the Doctor of Medicine or the Doctor of Dental Medicine degree at UMDNJ. In addition, an eight-year joint program exists for the BS degree from Montclair State and the Doctor of Medicine degree at UMDNJ for students enrolled in the Health Careers Program in the College of Science and Mathematics. A student accepted into one of these three programs is assured of a place in the medical or dental school upon successful completion of the program requirements at Montclair State. All students accepted in the seven-year program leading to the Doctor of Medicine degree must enroll in the Honors Program at Montclair State. For more information see the Special Programs section in this catalog.

Departments within the College are:

BIOLOGY AND MOLECULAR BIOLOGY
CHEMISTRY AND BIOCHEMISTRY
COMPUTER SCIENCE
EARTH AND ENVIRONMENTAL STUDIES
MATHEMATICAL SCIENCES

School of the Arts

Dean: Geoffrey W. Newman, Ph.D.

Assistant Dean: Ronald S. Sharps, Ph.D.

Designated as a Center of Excellence in the Fine and Performing Arts, Montclair State University continues its commitment to quality programs in art and education. Its School of the Arts offers graduate and undergraduate programs in fine arts, music, broadcasting, speech communication, dance, and theatre. In 1986, the School of the Arts was awarded the \$5.7 million Governor's Challenge for Excellence in the Arts Grant, the largest known arts program grant anywhere. The grant is designed to bridge the gap between the academic and the professional world and expands upon our already exciting arts curriculum and cultural program offerings.

In addition to the academic departments the School has a number of non-academic divisions whose mandate is to complement and enhance the curricular responsibilities of the departments. Much of the professional experiences in which students engage originate with one or more of these divisions: *TheatreFest*, the professional equity theatre-in-residence, produces a wide range of professional programs, from the development of new and innovative works to the staging of family favorites and Broadway revivals. *Arts Programming* complements both TheatreFest and Theatre Series with its own Great Events Series of national and international professional programs. The *DuMont Television Center* serves not only the production requirements of the Broadcasting Department but the MSU body at large. It is the recipient of numerous national awards, and is perhaps best known for the weekly program *Carpe Diem* which is well known throughout the New Jersey and New York region. *The Preparatory Center for the Arts*, which is administered through the Music Department, offers private instruction, ensemble participation, and theoretical instruction in music and dance to a large segment of the surrounding community. Many graduates of this program have gone on to nationally and internationally known music program, including MSU itself. The *Division of Galleries* offers national and international shows as well as student presentations. *The International Center for the Arts* has an increasing network of arts training programs, arts presenting venues and international artists and has been successful in obtaining internal funding support for its projects, developing working relationships and liaison with other University international services.

The School of the Arts provides professional training and education for students seeking careers in the arts, education, public service and management. It presents cultural events and offers courses and experiences in the arts for the enrichment of campus and community life. The resources of the School are taken to the community in the form of lectures, demonstrations and an equity resident theatre company (TheatreFest). The School seeks to stimulate public interest in the arts and to encourage research, creative work and experimentation in the arts.

Departments within the School are:

BROADCASTING
FINE ARTS
MUSIC
SPEECH COMMUNICATION
THEATRE AND DANCE

Academic Calendar*

School of Business

Dean: Alan J. Oppenheim, Ph.D.

Assistant Dean: Karen E. Dennis, M. Phil.

As a School of Business of a regional state university that provides quality education to a diverse student body, our goal is to graduate students who are immediately effective in cutting-edge business organizations. Our undergraduate programs are of primary importance. We prepare our students for entry and mid-level managerial positions, entry-level professional specializations, and entrepreneurial roles. Further, we equip them with the capacity to identify their own goals and to proactively manage their life-long career prospects. To prepare our students for these roles, we must assure their mastery of:

- Thinking skills: logical, critical and integrated analysis; the capacity to exercise good judgment; creative and nontraditional problem solving; and proficiency in ethical reasoning;
- Discipline-specific knowledge and competencies: e.g., information technology and quantitative skills appropriate to problem-solving in a real-world setting;
- Communication skills: proficiency in oral, written, presentation, and distance communication;
- Change management: understanding and shaping the forces of change, including globalization, and using this understanding to formulate, evaluate, and select from alternative strategies to achieve sustainable competitive advantage;
- Self-development: the capacity to engage in the effective self-management of lifelong learning to achieve continuous professional and personal growth.

The School provides three undergraduate degrees: BS in Business Administration; BS in Business Education; and a BA in Economics. The BS in Business Administration has the following nine concentrations available: Economics, Finance, International Business, Management, Management Information Systems, Marketing, Office Systems Administration, Professional Accounting, Quantitative Methods, and Retail Merchandising and Management. The BS in Business Education, which prepares students for teaching in the secondary schools, has three certification programs: Accounting & General Business Education; Comprehensive Business Education; and Secretarial and General Business Education. The BA in Economics is offered as a major or minor. Internships and cooperative education experiences are available in many of the programs offered.

Departments within the School are:

ACCOUNTING, LAW AND TAXATION
ECONOMICS AND FINANCE
INFORMATION AND DECISION SCIENCES
MANAGEMENT
MARKETING

2000-2001

FALL SEMESTER 2000

Opening Day	Friday, September
(No Classes)	
Labor Day Holiday	Saturday-Monday, September 2-4
(No Classes)	
Classes Begin	Tuesday, September 5
	(Friday, September 8, for Weekend College)
University Day	Wednesday, October 25
(No Classes)	
Thanksgiving Holiday	Thursday-Sunday, November 23-26
(No Classes)	
Tuesday Designated As A Friday	Tuesday, December 12
	(Except Weekend College)
Classes End	Thursday, December 14
	(Sunday, December 10, for Weekend College)
Reading Day	Friday, December 15
	(Except Weekend College)
Examination Period	Saturday-Friday, December 16-22
	(Friday-Sunday, December 15-17, for Weekend College)
End of Semester	Friday, December 22
	(Sunday, December 17, for Weekend College)

SPRING SEMESTER 2001

Martin Luther King Holiday	Monday, January 15
(No Classes)	
Classes Begin	Tuesday, January 16
	(Friday, January 19, for Weekend College)
Spring Recess	Monday-Sunday, March 5-11
(No Classes)	
University Day	Wednesday, March 21
(No Classes)	
Easter Holiday	Friday-Sunday, April 13-15
(No Classes)	
Tuesday Designated As A Friday	Tuesday, May 1
	(Except Weekend College)
Classes End	Wednesday, May 2
	(Sunday, April 29, for Weekend College)
Reading Day	Thursday, May 3
Examination Period	Friday-Thursday, May 4-10
	(Friday-Sunday, May 4-6 for Weekend College)
End of Semester	Thursday, May 10
	(Sunday, May 6, for Weekend College)
Commencement	Friday, May 25
	(tentative)

*Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.

SUMMER SESSIONS 2001

Pre-Session Monday, May 21-Thursday, June 7
(Three Weeks, No Friday Classes) (11 sessions)

Pre-Session Monday, May 21-Thursday, June 14
(Four Weeks, No Friday Classes) (15 sessions)

Twelve-Week Session Monday, May 21-Thursday, August 9
(No Friday Classes) (extended hours Monday and
Wednesday, 11 sessions)

Memorial Day Holiday Monday, May 28
(No Classes)

Saturday Classes Saturday, June 2-August 4
(10 sessions)

Eight-Week Session Monday, June 11-Thursday, August 2
(No Friday Classes)

First Four Weeks of Eight-Week Session Monday, June 11-
(No Friday Classes) Thursday, July 5

Second Four Weeks of Eight-Week Session Monday, July 9-
(No Friday Classes) Thursday, August 2

Six-Week Session Monday, June 25-Thursday, August 2
(No Friday Classes)

Independence Day Holiday Wednesday, July 4
(No Classes)

Post-Session Monday, August 6-Thursday, August 23
(No Friday Classes) (12 sessions)

2001-2002

FALL SEMESTER 2001

Labor Day Holiday Monday, September 3
(No Classes)

Opening Day Tuesday, September 4
(No Classes)

Classes Begin Wednesday, September 5
(Friday, September 7, for Weekend College)

University Day Wednesday, October 24
(No Classes)

Thanksgiving Holiday Thursday-Sunday, November 22-25
(No Classes)

Classes End Friday, December 14
(Sunday, December 9, for Weekend College)

Examination Period Monday-Friday, December 17-21
(Friday-Sunday, December 14-16, for Weekend College)

End of Semester Friday, December 21
(Sunday, December 16, for Weekend College)

SPRING SEMESTER 2002

Classes Begin Wednesday, January 16
(Friday, January 18, for Weekend College)

Martin Luther King Holiday Monday, January 21
(No Classes)

Spring Recess Monday-Sunday, March 11-17
(No Classes)

University Day Wednesday, March 20
(No Classes)

Easter Holiday Friday-Sunday, March 29-31
(No Classes)

Thursday designated as a Monday Thursday, May 2

Classes End Friday, May 3
(Sunday, April 28, for Weekend College)

Examination Period Monday-Friday, May 6-10
(Friday-Sunday, May 3-5, for Weekend College)

End of Semester Friday, May 10
(Sunday, May 5, for Weekend College)

Commencement Friday, May 24
(tentative)

SUMMER SESSIONS 2002

Pre-Session Monday, May 20-Thursday June 6
(Three Weeks, No Friday Classes) (11 sessions)

Pre-Session Monday, May 20-Thursday June 13
(Four Weeks, No Friday Classes) (15 sessions)

Twelve-Week Session Monday, May 20-Thursday, August 8
(No Friday Classes) (extended hours Monday and
Thursday, 11 sessions)

Memorial Day Holiday Monday, May 27
(No Classes)

Saturday Classes Saturday, June 1-August 3
(10 sessions)

Eight-Week Session Monday, June 10-Thursday, August 1
(No Friday Classes)

First Four Weeks of Eight-Week Session Monday, June 10-
(No Friday Classes) Wednesday, July 3

Second Four Weeks of Eight-Week Session Monday, July 8-
(No Friday Classes) Thursday, August 1

Six-Week Session Monday, June 24-Thursday, August 1
(No Friday Classes)

Independence Day Holiday Thursday, July 4
(No Classes)

Post-Session Monday, August 5-Thursday, August-22
(No Friday Classes) (12 sessions)

***Montclair State University reserves the right to modify this calendar. Please refer to the current semester
Schedule of Courses booklet for the most recent published calendar information.**

Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Upper Montclair, New Jersey 07043. Completed applications should be returned to this address accompanied by a \$40.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

Admission Requirements

Freshmen

1. An application should be completed and returned as early in the senior year as possible, but no later than March 1.
2. The Scholastic Assessment Test (SAT I) should be taken preferably in October, November or December, but not later than January of the senior year. The student should request that the College Board forward the results to Montclair State University (College Board Code number 2520). The ACT may be submitted in lieu of the SAT I.
3. The student is required to have a certificate of graduation from an approved secondary school. A High School Equivalency Certificate is acceptable. Sixteen subject units must be completed according to the following breakdown:

English	4
Social Studies	2
Mathematics* (Algebra I, Geometry, Algebra II)	3
Science (laboratory)	2
Foreign Language (same foreign language)	2
Electives (in English, social studies, science, math or foreign language)	3
Total	16

*Admission to computer science requires 4 years of mathematics including trigonometry. Admission to business administration requires Algebra II.

4. Students who wish to enter a specialized field of study are assumed to have prepared for it during the high school years. Achievement scores, though not required, are useful in demonstrating area strength and may be submitted with application materials. Admission to the departments of Broadcasting, Fine Arts, Music, Speech Communication, or Theatre and Dance is gained through departmental tests, auditions, or interviews. Admission to Montclair State University does not guarantee acceptance into a particular department.
5. Application and admission dates for full-time freshmen:

Admission for:	Completed application on file by:
Fall semester	March 1
Spring semester	October 15
6. Accepted full-time students are required to pay a non-refundable \$150 fee by May 1 to hold their places in the class.
7. Freshman candidates desiring part-time admission follow the application dates listed below for part-time students.

Transfer Students

1. Approximately one-third of new students entering Montclair State University each year have attended another college or university.

To be eligible for *consideration* for transfer admission, a student is required to have completed a minimum of 15 credits with at least a 2.00 (C) average at another accredited college. In recent years, however, the minimum grade point average (g.p.a.) has been about 2.5. Specific academic programs may have additional requirements.

Please note: All transfer applicants must have completed freshman English Composition before admission to Montclair State University. Transcripts of high school and each college previously attended are to be forwarded to Montclair State University.

2. Transfer students may attend on either a full- or part-time basis and must choose a major. A departmental interview may be required.
3. Application and admission dates for full-time transfer students:

Admission for:	Completed application on file by:
Fall semester	May 1
Spring semester	October 15
4. Transfer students desiring part-time admission follow the application dates listed below for part-time students.
5. International students should follow the application dates listed below for International Students.

Part-Time Students

1. Part-time undergraduate study at Montclair State offers degree program opportunities to students whose responsibilities limit the time they are able to devote to academic pursuit. A maximum of 9 credits per semester may be taken. Although part-time students may register for courses in the day, evening, or weekends, students whose personal schedules will only permit them to take courses in the evening should be aware that only the following majors are currently available after 4:30 p.m. Monday through Thursday:

Anthropology
Business Administration
Computer Science
Economics
English
General Humanities
Geography
History
Justice Studies
Mathematics
Political Science
Sociology
2. Application and admission dates for part-time students:

Admission for:	Completed application on file by:
Fall semester	June 15
Spring semester	October 15
3. Part-time applicants meet the same admission requirements as their full-time counter parts.

International Students

Students from foreign countries file an application for admission through the Office of Admissions.

Students whose native language is not English are required to submit the Test of English as a Foreign Language (TOEFL). Since the I-20 form can be granted only to accepted full-time students, candidates from foreign countries should be aware that they must apply for full-time rather than part-time admission.

Students transferring from another United States college or university will be required to submit the "Foreign Student Advisor's Report."

Transcript Evaluation

Send transcripts of all school records for course-by course evaluation to:

World Education Services, Inc.

P.O Box 745

Old Chelsea Station

New York, NY 10113-0745

Request WES to send its evaluation to:

Office of Admissions

Montclair State University

Upper Montclair, NJ 07043

Application and admission dates for full-time international students:

	Completed application on file by:
Admission for:	
Fall semester	April 1
Spring semester	October 15

Second Baccalaureate Students

1. Students who have been awarded a baccalaureate degree may obtain a second bachelor's degree in most non-teaching majors at Montclair State. *Business Administration is not available.* A minimum of 32 semester hours must be completed at Montclair State after admission to a second baccalaureate program. A minimum of 12 semester hours, of the 32 required, must be taken from upper-level (300 or higher) courses in the major. The academic departments determine the exact number of semester hours of major and collateral courses to be completed for the second bachelor's degree. Credits earned through this program are considered undergraduate and not applicable toward a higher degree at a later date. Second BA students pay graduate tuition and fees.
2. Students are eligible to apply for admission to a second baccalaureate degree program if they have graduated from an accredited four-year college with a minimum cumulative grade point average of 2.50 based upon a possible 4.00 system.
3. Applications and admission dates for second baccalaureate students:

	Completed application on file by:
Admission for:	
<i>Full-time Students</i>	
Fall semester	May 1
Spring semester	October 15
<i>Part-time Students</i>	
Fall semester	June 15
Spring semester	October 15

Readmission

Matriculated undergraduate students who were admitted to Montclair State and leave the institution in good standing and have been in attendance at least one semester (including summer sessions) during the immediate past academic year need not formally apply for readmission, and may continue either full- or part-time study by requesting registration information from the Office of the Registrar.

Matriculated undergraduate students who have not been in attendance for more than one academic year or who are returning from academic furlough or suspension must submit an application for readmission to the Office of the Admissions and be accepted prior to registering.

Provisionally matriculated undergraduate students who have not been in attendance for more than three semesters must submit an application for readmission to the Office of Admissions to be accepted prior to registering.

Provisions for Non-Native Speakers of English

Non-native speakers of English will be given a Placement test for English as a Second Language (ESL). Those who achieve a score which indicates a need for ESL instruction will enroll in ESL courses prior to Basic Reading Skills, Basic Composition or Freshman Composition and will be exempted from their Basic or Freshman Composition requirement until the necessary ESL courses are completed. Students enrolled in ESL courses should not take the language skills portions of the Montclair State University Placement Test (MSUPT) until their last semester of ESL. ESL Placement Tests are usually given in June, August, and January. The ESL Placement Exam and ESL courses are given by the Linguistics Department, Dickson Hall, Room 124, telephone (973) 655-7910.

Tuition and Fees

In order to qualify for the in-state tuition rate, the student, parent(s), or guardian(s) upon whom the student is financially dependent must have lived within the State of New Jersey for a continuous period of one year immediately prior to enrollment. (N.J.S.A. 18:62) All foreign exchange students and students with non-resident immigration visas are considered non-residents for tuition purposes, regardless of where they reside while attending Montclair State University. Any questions concerning residency status should be directed to the Bursar's Office.

Tuition and fees are subject to change without prior notice.

Tuition

Undergraduate:

N.J. Resident	\$105.16 per semester hour
Non-resident of New Jersey	\$165.00 per semester hour

Fees

General Service Fee	\$6.80 per semester hour
Student Union Building Fee	\$9.20 per semester hour
Student Government Association Fee	\$3.10 per semester hour
Athletic Fee	\$3.65 per semester hour
Computer Technology Fee	\$3.10 per semester hour
Facilities Fees	\$4.00 per semester hour

Montclair State Monthly Payment Plan

This interest-free monthly payment plan, provided through Tuition Management Systems, allows full-time students (international students excluded) to spread fall and spring tuition, fees, housing and meals over 10 equal monthly payments. There are no interest charges and the fee for the entire year, beginning June 2000, is only \$95. Payments begin on June 1st and end March 1st. You can enter the plan until late July for first semester, and late December for second semester simply by making any payments already due. To receive enrollment information contact the Student Accounts office at 1 (973) 655-4105 or call Tuition Management Systems at 1 (800) 722-4867.

Special Fees

Late Registration Fee for any student who registers late	\$50.00
Late Payment/Confirmation Fee for any student who pays or confirms his/her schedule after the payment due date	\$50.00
Late payment penalty for non-payment of account	1.5% up to \$25.00 on monthly balance
Dishonored Check Fee:	
Minimum Fee	\$15.00
Maximum Fee	\$60.00
I.D. Card Replacement Fee (lost card)	\$10.00
Health insurance for full-time students required by state law	\$67.00
Music Fees: Courses in applied music and private study in composition pay regular tuition and fees, plus \$400 per applied music course.	
Older Adult Program Fee (non-refundable)	\$25.00
Parking Fee	\$35.00
Parking Fines	\$15.00-25.00
Professional Liability Fee (non-refundable)	\$18.75
Special Course/Lab Fee	\$10.00-35.00
Speech Challenge Exam Fee	\$95.00
Student Teaching Fee	\$300.00
Studio Fee	\$5.00-\$90.00
Transcript Fee	\$3.00 per copy
Same Day Service	\$10.00 first copy, \$6.00 each additional copy

Refund of Tuition and Fees

Tuition and fees are refundable in full if classes are discontinued by Montclair State University.

	Per Cent Refunded
Withdrawal during the first week of the semester for full term courses and prior to the third class meeting for all short term or mini courses	100%
Withdrawal during first third of course	50%
Withdrawal after the first third of course	none
Refunds for short term courses will be calculated in the same manner at the time of withdrawal.	
Students are not permitted to withdraw from courses after the midpoint of the semester. In computing refunds, the date of withdrawal is the date on which the Office of the Registrar receives a written notice from the student or from the date of the postmark for those received through the U.S. mail.	

Summary of Expenses

Estimated tuition, fees, housing and meal expenses* for students attending Montclair State University are as follows for the nine month September-May academic year for a student taking 32 credits:

	New Jersey Student Commuting Student	New Jersey Residing Away From Home	Out-of-State Student Residing Away From Home
Tuition	\$3,365.12	\$3,365.12	\$5,280.00
General Service Fee	217.60	217.60	217.60
Athletic Fee	116.80	116.80	116.80
Student Government Association	99.20	99.20	99.20
Student Union Building Fee	294.40	294.40	294.00
Facilities Fee	128.00	128.00	128.00
Computer Technology Fee	99.20	99.20	99.20
Student Health Insurance (Mandatory)	67.00	67.00	67.00
Subtotal (payable to the University)	4,387.32	4,387.32	6,302.20
Textbooks and Supplies (Estimated)	700.00	700.00	700.00
Housing (Estimated) Single	—	4,062.00	4,424.00
Meals (Estimated) Maximum Meal Plan	—	1,832.00	2,052.00
Personal Expenses (Estimated)	950.00	950.00	950.00
Total	\$6,037.32	\$11,348.76	\$14,428.20

All Tuition and Fees are Subject to Change

*Tuition, fees and expenses based upon Spring, 2000 figures.

Resources and Facilities

Alumni Association/Office of Alumni Relations

All graduates of Montclair State University automatically become members of the Alumni Association, a non-profit organization that has served alumni since 1910. Contributions to the Alumni Annual Fund allow the Association, working in cooperation with staff in the Office of Alumni Relations, to support a number of programs including faculty research grants, outstanding graduate student awards, undergraduate scholarships, reunions, an affinity card program, regional receptions, seminars and other noteworthy projects. The Office of Alumni Relations also works with academic and other departments in organizing and promoting targeted alumni programming.

The Office of Alumni Relations is located on the second floor of the Alumni House, 34 Normal Avenue, Upper Montclair, (across from the football field), telephone (973) 655-4141.

Auxiliary Enterprises

The Office of Auxiliary Enterprises, located in College Hall, Room 311B, represents the University for services contracted from outside sources such as the University Bookstore, Dining Services, C-Store, Game Room, Flea Market and vending operations, as well as overseeing Central Printing and Photocopying, Micrographics, the Mail Center, and XBS Convenience Copiers. For more information, please call (973) 655-7431.

Bookstore

The bookstore is located on the lower level of the Student Center. Normal hours of operation are Monday through Thursday, 8:30 a.m.-8:00 p.m., Fridays, 8:30 a.m.-4:30 p.m., and Saturdays, 10:00 a.m. to 2:00 p.m. Extended hours are available at the beginning of each semester. Telephone (973) 655-4310.

The bookstore carries required textbooks and supplies as well as a wide variety of other merchandise including computers. In many cases, textbooks are available for purchase several weeks prior to the beginning of the semester. It is recommended that students bring their course schedules to the bookstore to aid in the selection of books, which should be purchased early. On-line purchasing of textbooks is now available via the bookstore's Textbook Ordering System. You can either purchase or reserve your textbooks by logging onto www.montclair.bkstr.com. During the fall and spring semesters, undamaged books may be returned within 15 calendar days of the first day of class provided that students produce sales receipts.

Campus Recreation and Intramural Services

Aligned in the Division of Student Development and Campus Life, Campus Recreation and Intramural Services is a unit of the Dean of Students. Campus Recreation and Intramural Services provides opportunities for the entire campus community to participate in a variety of recreational and fitness activities. Recreational programs and facilities include intramural sports, open gym hours, aerobic classes, open swimming, special events, and use of the Fitness Center and the Fieldhouse. Various sports clubs are also available including rugby and ice hockey. For information on facility hours, please call (973) 655-4354. For program information or job opportunities, please call the Assistant Director of Campus Recreation at (973) 655-7883.

Center for Continuing Education

The Center for Continuing Education, under the auspices of the Division of Academic Affairs, serves the immediate and long range education and training needs of business and industry, community organizations, governmental agencies, Montclair State University staff and faculty, and individual learners. The Center is a revenue-generating unit of the Institution providing quality non-credit and credit educational programs and public service activities available both on- and off-campus. Examples of services include the English as a second language program, which is offered to both full-time and part-time students and can be tailored to the needs of corporate clients. Professional certification in areas like allied health offer cost-effective and convenient career training. Professional development programs cover a wide variety of topics, including real estate, computer software applications, and continuing professional education for security and law enforcement providers. In addition, in conjunction with the Global Education Center, Continuing Education offers international study tours and summer institutes for international visitors.

The Center's offices are located at 860 Valley Road and 10 Normal Ave. The main telephone number is (973) 655-4353.

Computer Services

Students, faculty, and University staff are afforded the use of various computing environments, using several large DEC VAX systems, and other smaller computer systems. All students in good standing are provided the opportunity to maintain a user account on the central systems for the duration of their career at MSU. Resident students who have a properly configured PC may be connected to MSUnet from their room. RESnet users are requested to contact Information Services for information on how to use this service. All networked systems on the MSU campus (MSUnet) are also allowed access to the Internet. Network services provided include the campus fiber optic system, the internal building wiring, and the maintenance of the network equipment and software systems.

MSUnet provides full access to the Sprague Library card catalogue system from any connected system, access to any of the Local Area Networks (LANs), access to a variety of information sources through a large capacity CD-ROM server, and through World Wide Web (WWW) servers either on-campus or the thousands of other WWW servers anywhere on the Internet.

Information Technology also provides the facilities for telephones in the residence halls. All residents have access to the telephone system, using individual authorization codes, which allow for the preparation of individualized billing for each student. (See also Information Technology.)

Dining Services

There are various locations on campus where food service is available; Blanton Hall, Freeman Hall, the College Hall Snack Bar, and several locations in the Student Center, including the Cafeteria, Rathskeller and Student Center Dining Room. The Red Hawk Express is located outside Dickson Hall. Catering services are also available. The Convenience Store is located in the Student Center. Vending machines are located in many buildings across campus. Operating schedules are posted at each location. At various locations within this dining program, food services are available seven days a week.

Meal plans are available for resident and commuting students. In addition, any student may participate in the University's debit card program, Red Hawk Dollars. For more information please contact the Office of Auxiliary Enterprises, College Hall, Room 311B, (973) 655-7431.

Federal Work-Study Employment

Eligibility

Federal Work-Study (FWS) makes it possible for a student to earn money in a federally supported work-study program on- or off- campus. Eligibility is based on need as determined by the Free Application for Federal Student Aid (FAFSA). Award letters are sent to eligible students. Earnings can be used for educational expenses. To apply, contact the Office of Student Financial Aid, CO-321, telephone (973) 655-4461

On-Campus Employment

Students who receive award letters indicating their eligibility for FWS can review job descriptions for on-campus employment. To apply, contact the Career Development office, Morehead Hall, third floor, telephone (973) 655-5194.

Off-Campus Employment

Federal Work Study students are eligible to participate in the University's *America Reads Program*. *America Reads* students are trained to be reading tutors for elementary school children in the Montclair community. For information, or to apply, contact the Service-Learning Program, Morehead Hall, third floor, telephone (973) 655-4363

Global Education Center

The Global Education Center at Montclair State University is designed to coordinate all international activities on campus, to plan new efforts, and to enhance international programs at the University. The Center encourages faculty to develop international expertise in their disciplines by facilitating scholarly research, teaching exchanges, travel programs and participation in international conferences. Through partnerships with international institutions, it assists in developing collaborative undergraduate and graduate programs.

The Center provides opportunities for students to travel and study in every continent (except Antarctica) through semester-long study abroad programs, student exchanges, summer institutes and study tours.

The Center administers Global Education grant awards to faculty and staff pursuing international interests. The Center hosts a bi-weekly program, "Tea and Talk," that provides a forum for faculty and staff to interact with international scholars. International scholars are housed at the Global Guest House at 61 Normal Avenue.

The Center, located at 22 Normal Avenue, features a print and video library of international study programs and is open between 8:30 a.m. and 4:30 p.m.

INTERNATIONAL SUMMER INSTITUTES are held in several locations throughout the world: Montclair in Siena, Italy at University of Siena; Montclair in Madrid, Spain at University of Madrid, Montclair in London, England: A Summer Institute on Shakespeare; Montclair in Belize: Tropical Forest Ecology and Mayan Archaeology and Montclair in Mexico at Universidad del Valle de Atemajac in Guadalajara. These institutes are open to all students. Each carry 3-6 credits and include in-country travel. **STUDY ABROAD.** Because of its direct and consortial links with many universities overseas, Montclair State University can send students on study abroad programs to the following countries: **Argentina:** University of Belgrano (Buenos Aires), Catholic University of Córdoba, University of Salvador and National University of San Juan; **Australia:** Bond University, Curtin University, Deakin University, University of Melbourne, University of New South Wales, University of Southern Queensland, Queensland University of Technology, Royal Melbourne Institute of Technology, Victoria University of Technology, University of Western Sydney and University of Wollongong; **Austria:** Johannes Kepler University/Linz, Karl-Franzens University/Graz and Paris Lodron University/Salzburg, and Salzburg College; **Brazil:** Pontifical University

of Rio de Janeiro; **Bulgaria:** American University of Bulgaria, University of Plovdiv, and Academy of Music and Dance of Plovdiv; **Canada:** Brock University, University of Calgary, University of Cape Breton, and Laurentian University; **Chile:** Universidad Austral de Chile; **China:** Nanjing University, and The Chinese University of Hong Kong; **Colombia:** University of Los Andes, Instituto Colombiano de Estudios Superiores de Incolda, Pontifical Javeriana University and University del Norte; **Costa Rica:** Centro Lingüístico Conversa, National University of Heredia, and Universidad Veritas; **Cyprus:** Intercollege of Cyprus; **Czech Republic:** University of Economics, Prague; **Denmark:** Denmark's International Study Program; **Dominican Republic:** National University "Pedro Henríquez Urea"; **Ecuador:** University San Francisco de Quito and Catholic University of Guayaquil; **Egypt:** American University in Cairo; **England:** University of Birmingham, University of Brighton, University of Central England at Birmingham, University of Central Lancashire, Coventry University, Edge Hill College, University of Greenwich, University of Hertford, Kingston University, Leeds Metropolitan University, Middlesex University, Nottingham Trent University, University of Northumbria at Newcastle, University of Plymouth, Portsmouth University, University of Reading, University College of St. Martin, University of Sunderland, Thames Valley University, and Worcester College of Higher Education; **Estonia:** Tartu University; **Fiji:** University of the South Pacific; **Finland:** Åbo Akademi University, The University of Turku, Turku School of Economics and Business Administration, University of Joensuu, University of Kuopio, Lappeenranta University of Technology, University of Helsinki, Helsinki University of Technology, University of Jyväskylä, University of Oulu, University of Tampere, and Tampere University of Technology; **France:** University of Savoie at Chambéry, Institute for American Universities at Aix/Marseille and Avignon, University of Aix-Marseille III, University of Picardie/Amiens, École Supérieure de Commerce et d'Administration des Entreprises (Sup de Co), University of Angers, University of Caen, University of Franche-Comté, University of Grenoble II, University du Havre, University of Lille, Institut National des Sciences Appliquées de Lyon, University of Maine, University of Montpellier III, University of Nantes, University of Nice, University of Rennes II, University of Saint-Etienne, University of la Réunion, University of Paris III (Nouvelle Sorbonne), IV (Sorbonne), V (R. Descartes), VI (P. Et M. Curie), VII (D. Diderot), VIII (Vincennes-St. Denis), X (Nanterre), XI (Paris-Sud), XII (Val de Marne), XIII (Paris-Nord), and Institut de Langues Orientales; **Germany:** Collegium Palatinum, Technical University Carolo-Wilhelmina zu Branschweig, Catholic University of Eichstätt, Justus-Liebig University/Gießen, Gesamthochschule Kassel University, Philipps University of Marburg and University of Trier; **Ghana:** The University of Ghana; **Greece:** Anatolia College and Deere College; **Hungary:** Zoltan Kodaly Pedagogical Institute of Music, Lajos Kossuth University, and Technical University of Budapest; **Iceland:** University of Iceland, and DiS program; **Ireland:** University of Limerick, University College Galway, and University College Maynooth (St. Patrick's); **Israel:** Ben Gurion University of the Negev, Haifa University, Hebrew University of Jerusalem and Tel Aviv University; **Italy:** American University of Rome, Liberal Università Internazionale degli Studi Sociali (LUISS), Libera Università degli Studi di Urbino, Scuola Lorenzo de Medici, and Università per Stranieri di Siena, and Istituto Zambler (Venice); **Japan:** Chukyo University; **Korea:** Korea University, Yonsei University, and Kwimyung University; **Malta:** University of Malta; **Mexico:** University of Guadalajara, Instituto Tecnológico y de Estudios Superiores de Monterrey at Monterrey (ITESM), Instituto Tecnológico y de Estudios Superiores de Occidente, Universidad de Guanajuato, University La Salle, Universidad Popular Autónoma del Estado de Puebla, University Regiomontana, and University del Valle de Atemajac (UNIVA); **Morocco:** Al Akhawayn University, Ifrane; **Netherlands:** C. Huygens College of Art, University of Amsterdam, University of Groningen, University of Leiden, University of Maastricht, Catholic University of Nijmegen, Tilbur University, and University of Utrecht; **Nicaragua:** Universidad Americana; **Portugal:** CIAL Centro de Lingua; **Russia:** Petrozadovsk State University and

Institute of Youth/Moscow; **Scotland:** University of Edinburgh, University of Strathclyde, and James Watt College; **South Africa:** University of Stellenbosch, and University of Natal; **Spain:** University of Seville and Institute of International Studies/Seville, Complutense University of Madrid, University of Murcia, and University of Santiago de Compostela, and University of Valladolid; **Sweden:** University of Karlstad, Örebro University, Luleå University, University College of South Stockholm, and Växjö University; **Switzerland:** Franklin College of Lugano, University of Friburg, and University of Lausanne; **Ulster:** University of Ulster; **United Kingdom** (See England, Scotland, Ulster and Wales); **Uruguay:** Catholic University of Uruguay; **Wales:** University of Wales Institute, Cardiff; **Zambia:** University of Zambia.

Study abroad advisement, additional information and application forms are available by contacting the Director of International Studies, Dr. Benjamin F. Hadis, College Hall 217, telephone (973) 655-4253.

Information Technology

Academic Technology is the group within Information Technology (IT) that is responsible for support of the academic program. The main office of Academic Technology is located in College Hall, Room CO-124. The service areas in Academic Technology include the following: Customer Assistance Group (CAG) (Computer HelpLine); Computer Assisted Learning Environment (CALE) (Computer Labs); Teaching and Learning Resources (T&LR) (formerly Media Center); Training.

The Customer Assistance Group can be reached at (973) 655-7971. It has been formed to further develop I.T.'s dialogue with the campus community while providing individual assistance with hardware, software, or access to MSU Internet Service Provider problems. More information on the web at: <http://edtech1.edu/helpline/>

The Computer Assisted Learning Environment staffs and supervises all of the public access computer labs on campus. A listing of labs, hours of operation and other information can be found on the web at: <http://edtech1.montclair.edu/labs/>

The Teaching and Learning Resources area is located in College Hall, Room CO-124. Scheduling and instruction on how to use the Distance Education room CO-310 is also done in this area. The Distance Education room can participate in two-way audio and two-way video transmissions via ISDN or IDLS telephone lines or can be used as a satellite down site for both C and Ku transmissions. Advance reservations for equipment are suggested, but not necessary. Scheduling delivery and operation of equipment in classrooms requires a minimum of two days advance notice. More information on the web at: <http://edtech1.montclair.edu/t&l/>

The Training area takes an active approach to instruction, including project-centered computer training. Many services and forms of support are available in the program, including instructor-led training, self-study, semi-structured workshops and one-on-one sessions. More information on the web at: <http://edtech1.montclair.edu/training/> (See also Computer Services.)

Intercollegiate Athletics

Aligned in the Division of Institutional Advancement, Montclair State offers a diversified varsity athletic program of 24 sports for men and women. Student-athletes enjoy competition year-round within NCAA Division III, at the local, regional, and national level. Montclair State is also a member of the New Jersey Athletic Conference, the Metropolitan Collegiate Athletic Conference, and the Eastern College Athletic Conference.

The women's varsity program includes basketball, cross country, field hockey, golf, lacrosse, soccer, softball, swimming/diving, tennis, indoor/outdoor track, and volleyball.

The men's varsity program includes baseball, basketball, cross country, football, golf, lacrosse, soccer, tennis, indoor/outdoor track, wrestling and swimming/diving. Co-ed cheerleading is also offered.

Panzer Gymnasium Complex—Six lane indoor pool; wrestling room; fitness center; training room; locker rooms; basketball court and auxiliary gym.

Sprague Field—Astro-turf; seating for six thousand; permanent lighting system (all home football, field hockey, soccer, and lacrosse games are scheduled for this facility).

Pittser Field—Soccer complex and eight tennis courts.

Softball Field—Varsity softball field.

Dioguardi Field—An eight-lane, 400 meter, all weather track which encircles a multi-purpose field located below the Fieldhouse. The track is open year-round and is lit during Fieldhouse hours in the fall, spring and summer sessions.

Yogi Berra Stadium—The MSU baseball team plays its home schedule at this minor league stadium.

The Intercollegiate Athletics Office is located in Panzer Gymnasium, telephone (973) 655-5234 or 5236. The Red Hawk Sports Hotline for game results: (973) 655-7645.

Library

The Harry A. Sprague Library's resources, services, and facilities support the academic, intellectual, and cultural needs of the university community.

The collections contain more than 400,000 volumes and bound periodicals as well as materials in diverse formats such as microforms, CDs, and videocassettes. The Library subscribes to over 2,500 periodicals and is a depository for United States and New Jersey government publications. Materials not owned by the Library may be borrowed from other libraries. Photocopiers and microform reader/printers are available for reading and copying film and fiche collections of journals, newspapers, monographs, proceedings, reports, and government documents.

A validated ID is needed to borrow books from and use some of the services of the Library. Soon after acquiring a validated ID card, students and faculty should register at the Circulation Counter of the Library to establish borrowing privileges.

The Library's Home Page provides access to LINC, the Library's online public access catalog (OPAC); to information about the Library's resources and services; and to selected Internet sites. The Library offers online search services and subscribes to many Internet accessible and CD ROM databases covering a variety of subject fields. In the computer lab students may search the Internet, use campus computer programs, send and receive e-mail, and work on assignments using various software programs.

Helpful and knowledgeable librarians provide assistance regarding the location, evaluation, and retrieval of information resources and the use of library services. The librarians also conduct many classes ranging from orientation to advanced research, and assist students with individual projects.

The Library is located in the center of campus and provides comfortable and attractive areas for reading and studying, including individual seating, group study rooms and a reading area. A lounge is located on the lower level.

Services are available to patrons with disabilities to enable them to examine and retrieve materials and to access services.

For Library hours: telephone (973) 655-4298. For reference information:

telephone (973) 655-4291. For Library Administrative office: telephone (973) 655-7667. The Library's website is: <http://www.montclair.edu/library/library.html>.

Panzer School Council

In 1958, Panzer College, a noted single-purpose institution with a rich tradition of developing teachers for physical education and health, was incorporated into Montclair State College and became known as the Panzer School of Physical Education and Hygiene at Montclair State. The College became the custodian and depository of Panzer College records. The Panzer School Council was established in 1971 during a reorganization of the College. Presently, the Council is part of the College of Education and Human Services, Montclair State University. Membership consists of the chairperson of the Department of Health Professions, Physical Education, Recreation, and Leisure Studies and the Dean of the College of Education and Human Services. A major portion of the Council's efforts to aid students in extra-curricular activities are actively and generously supported by the Panzer-Montclair State University Alumni Association. Such support takes the form of direct scholarship aid, providing funds for professional conferences, workshops and sports clinics. Telephone (973) 655-5167).

Parking and Traffic

Parking is available for students who display current decals or permits in those areas designated on campus maps. Campus shuttle buses are available for transportation from the Quarry lots to upper campus. Decals may be purchased from the business office. Temporary permits may be obtained from campus police headquarters.

All N.J. State traffic regulations are enforced at Montclair State University. Campus regulations are listed in the current Schedule of Courses booklet.

Pre-Law Advisor

Montclair State University's Pre-Law Advisor, Dr. Marilyn Tayler, counsels interested students regarding the possibilities and procedures for law school admissions. The Office of the Pre-Law Advisor is located in the Department of Legal Studies, College of Humanities and Social Sciences Building, Room 348, telephone (973) 655-4152. The Pre-Law Advisor maintains a library of law school catalogues as well as other informative materials and provides advisement regarding the Pre-Law Studies Minor. This interdisciplinary program is offered through the Department of Legal Studies.

Psychoeducational Center

The Psychoeducational Center is a campus-based training facility. Its purpose is to provide integrated clinical and educational experiences for students of Montclair State University who are preparing for professional roles as music therapists, speech pathologists, learning disabilities specialists, or special educators. Training is conducted through the campus demonstration school, communication disorders center, early intervention program, testing center, music therapy clinic and summer programs which provide service to the community. The center is located in the Speech building, telephone (973) 655-4255.

The Reading and Study Skills Center

The Reading and Study Skills Center, located in the southwest corner of College Hall, rooms CO 101 to CO 109, telephone number: (973) 655-4247, has faculty and facilities to provide reading and study skills help to university students. Consultation, computer assisted instruction, tutoring and independent activities are available.

In addition to campus services available in the Reading & Study Skills Center (R&SSC), community needs are served by a reading clinic for ages 6 - 18. The R&SSC provides clinical and educational experiences for undergraduates and graduate students also.

Summer Sessions

Summer Sessions at Montclair State University provides opportunities for people to pursue undergraduate or graduate studies and take advantage of special educational, cultural and activity programs during June, July and August. Montclair State students, visiting students currently enrolled at other colleges and universities, students who are accepted to begin their college or university studies for the subsequent fall semester and high achieving high school juniors and seniors are encouraged to pursue their undergraduate or graduate studies during summer. High school graduates who have been out of school for at least two years may apply through the Center for Continuing Education to enroll in summer courses.

Undergraduate and graduate credit courses are offered each summer in the arts, business, computer science, education, human services, humanities, mathematics, natural sciences, and social sciences. In addition, special non-credit and credit programs and workshops are offered such as the gifted and talented camp for fifth through tenth graders, environmental education at the New Jersey School of Conservation in Sussex County, English language instruction, Educational Opportunity Fund residential experience, international summer institutes and study tours through the Global Education Center, and more.

Summer Sessions include a pre-session of three-week and four-week courses in late May through early June. In addition, there is a three-week post-session during the middle three weeks of August. The eight-week session begins mid-June and runs through the first week of August. A six-week program begins the end of June and ends concurrently with the eight-week session. Within these eight-week and six-week sessions some four-week and three-week short-term courses are offered. Classes generally do not meet on Fridays. A number of twelve-week courses meet once a week from late May through mid-August, and Saturday morning courses are offered over a ten-week period that begins in early June. All summer credit courses meet the same academic and hours requirements as those offered during the fall and spring semesters.

Learn more about Summer Sessions at Montclair State. Contact Summer Sessions at College Hall, Room 215, telephone (973) 655-4352. E-mail: summer@mail.montclair.edu.

Television Center

The DuMont Television Center functions as a support facility to the University and community. It serves as a laboratory for departments within MSU which instruct about television. The center assists with television services, including maintenance, repair, duplication of videotapes, advisement, consultation, video satellite viewing, distance learning, video teleconferences, and international standards conversion (VHS only). It also supports projects in television production for the university administration, instructional programs, students and co-curricular activities. Whenever possible, assistance is provided to the outside community.

The DuMont Television Center is located at the south end of Life Hall, room 117, telephone (973) 655-4341.

Division of Student Development and Campus Life

The mission of Student Development and Campus Life is to support and enhance the educational mission of Montclair State University and to assist students in reaching their goals. Division staff work in a cooperative relationship with the faculty, staff, and students to provide an environment that fosters the intellectual, psychological, physical, social and career development of students. The Vice President for Student Development and Campus Life coordinates the activities of: Academic Success Center, Admissions, Dean of Students, Financial Aid, Registrar, Residence Life, Student Center, and the University Police and Security. In addition, the Vice President, assisted by an Executive Assistant, The Dean of Students and Associate Deans of Students, serves as an advocate on behalf of all students attending Montclair State University.

Academic Success Center

*Academic Success Center, Morehead Hall
Telephone: (973) 655-7211*

In the Academic Success Center (Morehead Hall), Montclair State University students may find a wide array of services designed to assist and support them as they progress from their admission to the university to the completion of their college degrees. Each of these programs is listed in alphabetical order, along with a brief description.

Academic Advising

*Academic Success Center, Morehead Hall, room 132
Telephone: (973) 655-4106, 4146, 7068, 5221*

All matriculated full-time and part-time students, are encouraged to seek regular academic advisement. Advisors in the Office of Academic Advising are available both day and evening for students who have not yet declared a major, and for students who intend to change majors. These advisors are also responsible for evaluating transfer credits.

Full-time and part-time matriculated students who have declared their majors are assigned to and counseled by faculty advisors in their respective departments.

Students are expected to declare a major by the time they have earned 58 credits.

Academic advisors and faculty advisors can help students plan an academic program and provide assistance in referring students to other resources. For further information call the Office of Academic Advising.

Academic Needs Assessment

*Morehead Hall, Academic Success Center
Telephone: (973) 655-4476*

Academic Needs Assessment (ANA) screens the records of all entering students. It coordinates and administers the Montclair State University Placement Test (MSUPT). This testing program, combined with a review of academic records, determines the proficiency of students in reading, writing, and mathematics. The MSUPT includes a Basic Skills Placement Test in language and mathematics and the College Level Math Placement Test in advanced mathematics; which tests a student takes is determined after a review of the academic record. The MSUPT is required of all

entering freshmen, and readmitted and transfer students with fewer than 26 transferable credit hours. ANA also provides guidance to other students whose records indicate that additional evaluation is necessary to determine appropriate placement in courses.

ANA coordinates its testing program with the Foreign Language Placement Test and the English as a Second Language Placement Test. It also provides support to the Mathematical Sciences department in its Math Readiness Testing program.

Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT; credits may be added to the number of semester hours required to graduate. All students are expected to enroll in required developmental courses during their first semester of attendance. Academic Needs Assessment monitors the completion of all required developmental courses and conducts assessments of placement effectiveness.

For additional information of the MSU Basic Skills Requirements, see the entry under Academic Policies and Procedures. For more information on the MSUPT, contact Academic Needs Assessment.

Career Development

*Morehead Hall, Academic Success Center
Telephone: (973) 655-5194, 5364*

Career development is a lifelong process built on self-understanding, exploration of career interest, and acquiring skills in locating employment opportunities. The Career Development department assists students with all phases of the career decision making process from freshman year to graduation. Students acquire skills to choose a major, find part-time work while attending school, plan long-term career goals and obtain full-time work after graduation.

Individualized counseling and testing help students learn more about themselves and the connection between their values, skills, interests and the world of work. Workshops are designed to teach students to write effective resumes, conduct successful interviews, and use the Internet for the job search. Other services include on-campus recruitment by major employers, career fairs, web-based job listings and a career library. Visit the office home page at <http://www.montclair.edu/Pages/CareerServices/Career.html> to learn about current office programs, graduate schools, and information for students with disabilities, the alumni network and national job listings.

Educational Opportunity Fund Program

*Academic Success Center, Morehead Hall, room 207
Telephone: (973) 655-4385*

The Educational Opportunity Fund (EOF) Program provides special admissions, financial aid, and academic support services for highly motivated students who do not meet regular admissions criteria. Eligible students come from low-income families and must be New Jersey residents. Admitted students qualify for enough financial aid to meet the expenses of tuition, fees, room and board, books, and transportation.

Applicants to the E.O.F. Program must be seeking full-time admission, residents of New Jersey for at least one year, from an educationally and economically disadvantaged background, and ineligible for admission by ordinary standards. Counseling, tutorial services and a six-week summer program prior to the beginning of the fall semester are mandatory components of the Program. E.O.F. assists students in adjusting to college life and competing scholastically. Scholastic Assessment Test (SAT I) must be taken no later than January of the senior year.

E.O.F. Program applicants file an application for admission to Montclair

State along with the Financial Aid Questionnaire according to the full-time freshman application date (March 1) for fall semester admission. In addition, complete the free application for federal aid and forward a copy to the Financial Aid Office at Montclair State University.

Family Gross Annual Income Limitations for Dependent Student Eligibility:

Households of 2 persons \$22,120

Add \$5,640 for each additional member of household.

Independent students may also qualify and should contact the E.O.F. Office regarding income limitations for eligibility.

Application and admission dates for E.O.F. freshmen candidates:

Admission for:	Completed
Fall semester	application
	on file by:
	March 1

Further information may be obtained through the Educational Opportunity Fund Office, Morehead Hall, room 207, telephone (973) 655-4385.

New Student Experience

Morehead Hall

Telephone: (973) 655-7609

New Student Experience coordinates several programs that are critical to student success. The following is a list of important programs for first year students:

New Student Orientation - All freshmen and transfer students are required to attend Orientation. During this program students participate in a variety of informative and exciting activities whereby they learn about college life, student policies and procedures, and exploring academic opportunities. All full-time freshmen will meet with an academic advisor and register for courses during orientation. Transfer students should contact Academic Advising to register for courses prior to orientation.

Freshman Seminar - Beginning fall 2001, all first semester freshmen are required to enroll in Freshman Seminar. This course can help the beginning college student acclimate to campus life and the academic community. Throughout the course students are introduced to a variety of strategies that can enhance academic success.

Learning Communities - A Learning Community consists of approximately 20 students who share enrollment in three classes. Each Learning Community consists of two courses that meet the General Education Requirement and a one credit hour section of a First Year Experience course. Learning Communities provide academic and social advantages for first year students. Classes are kept small to allow students to get to know each other, form study groups, pursue academic excellence and make the most of their college experience. All Learning Communities offer opportunities to make friends and to get to know faculty and staff who are especially interested in first year students.

S.T.A.R.S. (Students Transitioning to Academic & Residential Success) - Students who choose to enroll in a Learning Community and reside on campus are part of the S.T.A.R.S. program. This dynamic living/learning community is housed on floors 10, 11, 12, and 13 of Bohn Hall. The S.T.A.R.S. program is designed to: assist students in becoming well acquainted with MSU, make friends, gain leadership skills and enhance academic performance. To promote a close-knit student oriented living and learning community, S.T.A.R.S. offers several special advantages for freshmen, such as, a residential computer lab, academic support and personalized attention from your First-Year Counselor.

Welcome Week - The New Student Experience staff along with the campus community offers Welcome Week activities to help students become familiar with all facets of the campus and have fun while learning. Welcome Week also helps students to feel at home before classes begin by acquainting them with the people and programs at MSU.

Freshman Connection - This program is designed to assist freshmen in achieving academic and personal success at MSU. With the exception of students admitted to special programs, each freshman is assigned a First-Year Counselor. This Counselor will mentor students during their first year of college and help them resolve concerns that could impede their academic success. Contact the Office of New Student Experience for the name and location of your First-Year Counselor.

Older Adult Tuition Waiver Program

Morehead Hall

Telephone: (973) 655-4431

The Older Adult Tuition Waiver Program is a state mandated initiative which allows men and women, aged sixty-five and older to take courses on a space available basis.

Both undergraduate and graduate courses are open to qualified older adults for either credit or noncredit. Except for tuition, students pay all other fees and a \$25.00 service fee.

Program for Academic and Student Support (PASS)

Academic Success Center, Morehead Hall, room 207

Telephone: (973) 655-4385

PASS is designed to provide educational opportunity for a select group of educationally underprepared students. The mission of PASS is to help make higher education a reality for this group of highly motivated students who lack the credentials to meet the criteria for admission to Montclair State. PASS recruits its population through the EOF program applicant pool.

PASS students are provided with special services such as individual and group counseling and tutorial assistance. Special workshops are designed to enhance academic skills.

For additional information call the director of PASS at the above listed telephone number.

Services for Students with Disabilities

Academic Success Center, Morehead Hall, room 142

Telephone: (973) 655-5431

Montclair State University supports the protections available to students with disabilities under Section 504 of the Rehabilitation Act of 1973 and The Americans with Disabilities Act of 1990. Students must initiate contact with the Coordinator of Services for Students with Disabilities in order to receive services or to arrange appropriate academic adjustments or accommodations.

Comprehensive documentation of a disability from a licensed physician, psychiatrist, psychologist, social worker or learning disabilities specialist must be submitted in order to determine which accommodations and/or adjustments are appropriate for each student. Notification needs to be made as early as possible to allow sufficient time for planning.

Tutorial Services

*Academic Success Center, Morehead Hall, room 140
Telephone: (973) 655-4364*

Tutorial Services is designed to assist students in a variety of liberal arts, basic skills and major prerequisite courses. Graduate and undergraduate student tutors provide either individual or small group tutorials on a drop-in basis. Students are encouraged to seek academic support prior to mid-term exams. Day and evening hours are available and the service is free.

Academic skills development seminars in study skills and test taking are conducted. Additionally, a series of Learning Power videotapes are available for use by individuals or small groups. Topics include: time management, note taking, textbook reading, and test taking. Interested students are asked to call for an appointment to preview videotapes.

Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Upper Montclair, New Jersey 07043. Completed applications should be returned to this address accompanied by a \$40.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

For more detailed information regarding the admissions procedure, see page 12.

The Office of Admissions is located in Russ Hall, telephone: (973) 655-4444.

Dean of Students

Campus Ministry Programs

While Montclair State University does not have a House of Worship, student needs are served through religious groups, chartered by the Student Government Association (SGA). These groups include: Chi Alpha Christian Fellowship, InterVarsity Christian Fellowship, the Jewish Student Union, Montclair Protestant Foundation and Newman—the Catholic Campus Ministry. Chaplains and Campus Ministers can be reached at: Newman Center: (973) 746-2323 or (973) 655-7240; Jewish Student Union: (973) 655-5280; Campus Ministry Office: (973) 655-5364.

International Services

The Office of International Services is available to assist all international students, scholars, and faculty with all issues related to their adjustment to the University and the United States and their immigration status. Programs and services are designed especially for international members of the University community to support them as they adjust both academically and culturally. International Orientation Sessions are held at the beginning of each semester.

Students who wish to obtain student visa status must obtain the *I-20, Certificate of Financial Eligibility*. Advisement on the legal processing of

this form is available. Students transferring from another United States college or university must also complete the International Student Advisor's report. All students attending the University on F-1 Student Status or J-1 Exchange Visitor Status must be enrolled full-time (12 credits - undergraduate student and 9 credits-graduate student).

International Services is located in the Global Education Center at 22 Normal Avenue; telephone, (973) 655-4253.

Wellness Services

Wellness Services is composed of the Health and Wellness Center on the first floor of Blanton Hall, Counseling and Psychological Services in the Gilbreth Hours, Emergency Medical Services operating out of the Student Center, and Health Education Services housed in the Health and Wellness Center. Each of these services has been designed to meet the health and wellness needs of students throughout the campus at MSU.

Our goals are to (1) teach you how to maintain your physical and psychological health and well being, (2) assist you in deciding when you need care, (3) provide care and preventive services in a convenient and sensitive manner when appropriate, (4) assist you in learning how to utilize the health care system, and (5) empower you to make informed decisions about your health.

Wellness Services provides direct care, individual health and psychological counseling, health maintenance and wellness promotion services, and health and wellness education services and programs throughout the year.

Health and Wellness Center

The Health and Wellness Center is a campus resource and service center for all students at MSU. Our goal is to keep you well, provide the care that you need when you are not, and empower you to make informed decisions about health. The Center provides direct care by nurse practitioners and physicians including the treatment of illness, women's health, HIV/STD/ pregnancy screening, immunizations and health education. In addition, the staff works closely with Counseling and Psychological Services as well as other campus and community resources for referral needs.

Most services at the Center are free. Women's health, medications and laboratory work do have minimal fees. However, no student will be refused care due to the inability to pay. Visits are by appointment only unless it is an emergency.

All health records are strictly confidential and are not a part of other University records. No information about a student's visit to the Center will be released without the student's prior written consent.

The Center is open from Monday through Friday, 9 a.m. to 5 p.m.; Blanton Hall (first floor); telephone, (973) 655-4361; fax, (973) 655-4159.

Counseling and Psychological Services

Montclair State University's Counseling and Psychological Services (CAPS) provides personal counseling and psychological services for Montclair State University students. CAPS, a branch of Wellness Services, helps students to make the most of their academic education, prevent future problems, and assists students in developing to their fullest potential by learning new skills and resolving conflicts that may limit their performance. CAPS services are free for currently registered MSU students. However, a brief wait for services may occur at busier times of the year, as well as overall limitations on the number of sessions any one student is eligible to receive. Staff and faculty members are eligible for short-term consultation and referral.

CAPS records are strictly confidential. When a student comes to CAPS, information about the meeting is not recorded on a permanent university

record, so it cannot appear on a transcript or any other official document. No one from any university office or any other person will be given any information about a student without specific written permission from the student, except in the event of an extreme emergency where a clear danger to self and/or others exists.

The staff of CAPS consists of licensed psychologists, doctoral-level clinical and counseling psychologists, and selected graduate students who work under close supervision. The staff of CAPS has special expertise in areas such as: short-term counseling; coping with stress and depression; sexual abuse; eating disorders; relationship problems; family issues; substance abuse; test-taking anxiety and socio-cultural concerns.

CAPS is open 9 a.m. to 5 p.m., Monday-Thursday, and 8:30 a.m. to 4:30 p.m., on Friday. Additionally, limited evening hours are available on Thursdays during the semester by appointment only. In some cases, after an initial appointment, referrals may be made to off-campus agencies and private practitioners. Urgency of need is always taken into consideration when scheduling appointments. The center is located in the Gilbreth House (behind Freeman Hall, south end of campus). Please call for appointments: telephone, (973) 655-5211.

Emergency Medical Services

Emergency medical services is available Monday-Sunday, 24 hour service, with emergency transport to local hospitals. Call Campus Police at (973) 655-4111 or 5222 for immediate assistance. The Office of Emergency Medical Services is located in the Student Center; telephone (973) 655-7057.

Health and Wellness Education Services

Health and Wellness Education Services is housed in the Health and Wellness Center. Programs are developed to address wellness issues that are pertinent to Montclair State University students. These include but are not limited to, wellness maintenance, alcohol and other substance abuse, smoking cessation, nutrition, eating disorders, body image awareness, safe sex practices, sexual advocacy, domestic violence, peer education, stress management, and mental health issues.

Health and Wellness Education Services is located in the Health and Wellness Center, Blanton Hall (first floor); telephone: (973) 655-4361; fax (973) 655-4159. Hours are Monday-Friday, 9 a.m. - 5 p.m. with other hours available for programming.

The Women's Center

The Women's Center, a unit of the Division of Student Development and Campus Life makes available:

1. A reference library;
2. Discussion and support groups;
3. Gender related information through programs and written materials;
4. A referral service on various topics are available to the college community.

For further information, please contact the Women's Center located in the Student Center, Room 421; telephone (973) 655-5114.

Financial Aid

Information regarding the financial aid programs may be obtained from the Office of Student Financial Aid. Programs of financial assistance are revised from year-to-year and hence both eligibility criteria and the availability of funds may change. Inquiries for further information and requests for applications should be addressed to:

The Office of Student Financial Aid
CO-321
Montclair State University
Upper Montclair, NJ 07043-9987

Telephone: (973) 655-4461

The Office of Student Financial Aid provides financial assistance to eligible Montclair State students through the following:

Federally Funded Programs

1. Federal Direct Stafford Loan Program
2. Federal Direct PLUS Loan Program
3. Federal Pell Grant Program
4. Federal Perkins Loan Program
5. Federal Supplemental Educational Opportunity Grant Program
6. Federal Work-Study Program

State of New Jersey Programs

1. Edward J. Bloustein Distinguished Scholars Program
2. Educational Opportunity Fund Grants
3. New Jersey Class Loan Program
4. Outstanding Scholar Recruitment Program
5. Paul Douglas Teacher Scholarship Program
6. POW/MIA Program
7. Public Tuition Benefits Program
8. Tuition Aid Grants
9. Veterans Tuition Credit Program

Scholarships and Awards

Many special awards, funds, and scholarships have been established by the benefactors of Montclair State who share its interest in quality education. A complete list of these opportunities may be found at the back of this catalog in the Appendix of Scholarships and Awards.

Veterans

The Office of Student Financial Aid provides information and advice to students regarding federal and state Veterans' benefit programs. All United States veterans who enroll at Montclair State should contact the office as early as possible in their academic program. All veterans should submit a copy of their discharge papers (DD214) to the Office of Student Financial Aid. Benefits are not available for audited courses or courses completed previously with a passing grade. Any change in student status must be reported to the Office of Student Financial Aid in writing.

All U.S. veterans who completed a minimum of six months active duty are

eligible to receive three elective credits, one of which fulfills the one semester physical education requirement. Applications to receive these credits are available from the Office of Student Financial Aid.

For further information contact the Office of Student Financial Aid, CO-321 College Hall. Telephone: (973) 655-4461.

Visiting Students

It is the policy of Montclair State not to process financial aid (federal or State, including loans) for "visiting students" attending during the academic year or Summer Sessions. The Office of Student Financial Aid will assist these students with the completion of forms required by their home institution to process financial aid.

Residence Life

Montclair State University offers several living arrangements for resident students. Situated around the academic buildings, the seven residence facilities provide a variety of options ranging from traditional residence halls and suite arrangements to an apartment complex. Each residence facility contains lounges, recreation areas, study rooms, laundry facilities and each room is wired for cable television and data.

New students are given high priority for campus residence and returning students may apply for succeeding years.

Each hall is staffed by a Residence Director and Resident Assistants. The resident assistants are peer educators who provide programming and are especially helpful to introducing new students to the campus and campus life.

All resident students (except Clove Road Apartments) must choose one of the meal plans for the dining hall. Apartment residents or commuters have the option of selecting Red Hawk Dollars or a meal plan. For more information, please call (973) 655-5188.

Child Care Center

The Child Care Center has been designed to be an exciting, inviting place where children can explore a wide variety of materials and activities while under the supervision of professionally trained and certified teachers. The Child Care Center provides developmentally appropriate programs for children ages three months through six years. The Center may be used by Montclair State students, faculty and staff for their children.

The Center is located in Stone Hall and the hours are 7:30 a.m. to 6:00 p.m. Arrangements can be made to provide child care until 8:00 p.m. if the need exists.

For further information and fees, please contact Janey DeLuca, Director, telephone (973) 655-7586.

Identification Cards

Students, faculty and staff are required to have a Montclair State University Photo Identification Card. This card must be shown to borrow books or copies of tapes from the Library; to use a book on Library reserve; to use the fieldhouse, and to participate in various activities sponsored by the Student Government Association and Montclair State University.

All students currently holding an I-Card should receive a current validation label upon paying their university bill. Validation labels can also be obtained at the I-Card Office or at the Bursar or Registrar offices by presenting a current class schedule. All new students attending orientation during the summer will have their I-Card photo taken during this time. All

other new students should obtain an I-Card immediately after registering for classes. Extended I-Card Office hours are provided in conjunction with the late registration days for each semester. In order to obtain an I-Card, students need to present their current class schedule or paid receipt and another form of identification. Students are encouraged to obtain an I-Card within one year from the date they are admitted. There is a \$10.00 charge for replacement cards.

The I-Card Office is located in The Student Center, inside the Gameroom. Office hours are Monday through Friday, 8:30 a.m. to 4:30 p.m. and Thursday evenings until 7 p.m. during the semester while classes are in session. For more information, please call (973) 655-4147.

Student Center

The Student Center and Annex are a main gathering place for social and recreational activities. This large modern complex has a cafeteria, Rathskeller, and formal dining room. Students and guests may enjoy the services of the bookstore, convenience store, flea market and gameroom. Also centrally located in the Student Center is an information desk, study lounge, commuter lounge, classrooms, ballrooms, Student Center Operations, I-Card office, and several meeting rooms. In addition, the facility houses the Office of the Vice President for Student Development and Campus Life, and offices of the Dean of Students, Student Activities, the Women's Center, the Student Government Association, Campus Recreation, and Greek Affairs. Also, there is the Field house, which has a weight room and locker room facilities.

For specific schedules of operations please call the respective department.

Student Center Main Office	(973) 655-7548
Student Activities	7818
Scheduling	4411
Building Manager	7546
Campus Recreation	7443
Greek Affairs	5350
I-Cards	4147
Information Desk	5329

Scheduling/Conference Services

Montclair State University provides space and services to students, faculty, staff, and others who wish to utilize University facilities for other than classroom use. Facilities which can be scheduled include: the Student Center, classrooms, auditoriums, athletic facilities, and the amphitheater. The Scheduling Office can also assist in acquiring other services such as media and food services. The office is located in the Student Center, rooms 407, 408; telephone, (973) 655-4411.

Student Activities

The Office of Student Activities is responsible for co-curricular and extra-curricular programming, in which all students at Montclair State University are encouraged to participate. In addition to working with all student organizations on campus, special emphasis is placed on the needs of the commuter student. Activities are designed to develop and refresh the body and mind in the form of entertainment, educational enrichment, cultural diversity and fine arts activities. The following organizations listed under the Student Government Association support these objectives.

The Office of Student Activities is located in the Student Center.

Student Government Association, Inc. (SGA)

All undergraduates are members of the Student Government Association. The SGA provides drop-in center, pharmacy program, and other services through fees paid by all full-time and part-time undergraduates.

The legislative branch is composed of student representatives from each school and academic department. The executive branch consists of the president, vice president, treasurer, and secretary.

Class One Organizations

- Class One Concerts
- College Life Union Board
- Drop-In Center (Service of SGA)
- International Students Organization
- La Campana (Service of SGA)
- Latin American Student Organization
- Organization of Students for African Unity
- Players
- Four Walls/Quarterly
- The Montclarion
- WMSC-FM

Class Two Organizations

- Amnesty International MSU
- Caribso
- Chi Alpha Christian Fellowship
- Conservation Club
- Spanish Club
- Weekend College Association

Class Three Organizations

- Alliance of Students for Palestine
- American Humanics Program
- Asian Organization (TAO)
- Association of Family and Consumer Science
- Bahai Club
- Celtic Club MSU
- Computer Science Club
- Disabled Student Organization
- Economics and Finance Club

- English Club
- Gallery 3 1/2
- Haitian Students Association
- Health Professions Association
- Hellenic Student Organization
- Intervarsity Christian Fellowship
- Italian American Organization
- Jewish Student Union
- Le Cercle Francais
- Management Club
- Marketing Association
- Mathematics Club
- Montclair Art Education Students Organization
- Montclair Protestant Foundation
- Montclair State Dietetic Organization
- Montclair State School of Anything Goes Animation
- MSU Emergency Medical Service Foundation
- MSU Republican Club
- Music Therapy Student Organization
- Muslim Students Association
- National Association for the Negro Business and Professional Women's
- National Association for the Advancement of Colored People
- New Jersey Community Water Watch
- Newman Catholic Campus Ministry
- Panzer Student Association
- Philosophy and Religion Club
- Political Science Club
- Possible Side Effects
- Pre Med Professional Club
- Pride
- Psychology Club
- Quest
- Ski Team
- Student Paralegal Association
- Turkish Students Association
- Women Students' Organization

Class IV Organizations

- Alpha Iota Chi (S)
- Alpha Kappa Alpha (S)
- Alpha Kappa Psi (Co-ed Business F)
- Alpha Omega (S)
- Alpha Phi Omega (F)
- Chi Upsilon Sigma (S)
- Delta Chi (F)

Delta Phi Epsilon (S)
Delta Sigma Theta (S)
Delta Xi Delta (S)
Groove Phi Groove Social Fellowship
Iota Phi Theta (F)
Kappa Alpha Psi (F)
Lambda Sigma Upsilon (F)
Lambda Tau Omega (S)
Lambda Theta Alpha (S)
Lambda Theta Phi (F)
Mu Sigma Upsilon (S)
Phi Alpha Psi (Senate) (F)
Phi Beta Sigma (F)
Phi Mu Alpha Sinfonia (F)
Phi Sigma Pi (F)
Phi Sigma Sigma (S)
Pi Kappa Alpha (F)
Sigma Alpha Iota (S)
Sigma Delta Phi (S)
Sigma Delta Tau (S)
Sigma Gamma Rho (S)
Sigma Psi Phi (S)
Sigma Sigma Sigma (S)
Swing Phi Swing Social Fellowship
Tau Kappa Epsilon (F)
Tau Phi Beta (F)
Theta Kappa Chi (S)
Theta Xi (F)
Zeta Phi Beta (S)
Greek Council

The Student Government Association (SGA) welcomes each student's participation. For further information regarding activities of the SGA, contact the SGA, Student Center Annex Room 103; telephone (201) 655-4202.

University Police and Security

Montclair State University maintains a full-time police force, whose mission is to protect and serve members of the Montclair State community. The police enforce all traffic and parking regulations, being empowered to issue both campus and municipal citations. In addition they receive and investigate all reports of crimes, provide crime prevention information and handle medical emergencies.

Montclair State University also has security officers whose primary purpose is the protection of property. (This includes fire safety activities.)

For information about police and/or security; traffic and parking; self protection seminars, and other police-related matters, call University Police and Security, telephone (973) 655-5222.



Academic Policies and Procedures

Academic Advisement

All matriculated students, full-time and part-time, are encouraged to seek regular academic advisement. Academic advisors in the Office of Academic Advising are available both day and evening for students who have not yet declared a major and for those who intend to change majors. Academic advisors are also responsible for evaluating transfer credits.

Full- and part-time matriculated students who have declared majors are assigned to and counseled by faculty advisors in their respective departments. Additional information on faculty advising may be obtained by calling the department offices.

Undeclared students are expected to declare a major by the time they have earned 58 credits. Students are encouraged to come to the Office of Academic Advising for assistance in making this decision.

Advanced Placement

Students with demonstrable equivalencies may, under appropriate circumstances, be exempted from required courses and permitted to take more advanced work. Eligibility for advanced placement may be established on the basis of high school records or by scoring sufficiently well on specialized tests including the Advanced Placement Examination of the College Entrance Examination Board, College Level Examination Program (CLEP) tests, challenge examinations, etc. Students desiring advanced placement are advised to consult with the appropriate department chairperson and school dean to determine specific possibilities within their area of competence.

Application for Final Audit

Students who are eligible for graduation must file an *Application for Final Audit* in the Office of the Registrar according to the following deadlines: **October 1 for the following May graduation; June 1 for the following January graduation; March 1 for the following August graduation.**

Prior to the final opportunity to change registration for the final semester, the student will be mailed a copy of the final audit listing requirements that must be completed in order to meet the intended date of graduation. Students should confirm receipt of the *Application for Final Audit* by the Office of the Registrar by consulting the list posted outside the office during the month immediately following the filing deadline.

It is the student's responsibility to complete the curriculum prescribed in the Montclair State University catalog in effect, or as subsequently modified, when he/she matriculates. For undergraduates, a minimum cumulative grade point average of 2.000 (C) and major grade point average of 2.000 based upon a possible 4.000 system is required. The major grade point average includes required major courses, major elective courses, and collateral courses. Inquiries pertaining to an individual's program of studies shall be referred to the appropriate academic or faculty advisor. It is the student's responsibility to meet all graduation requirements.

Baccalaureate degree candidates who have been evaluated for New Jersey Teaching Certificates must complete the *Application for Certification* and pay the required fees in the Office of the Registrar during the following periods: **March 15 to April 15 for May graduation; October 15 to November 15 for January graduation; July 1 to August 1 for August graduation.**

The New Jersey State Board of Education requires candidates for *instructional* certificates to take sections of the Praxis Series/National Teacher Examination and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in the Teacher Education Admissions Office, Room 103, Chapin Hall.

Attendance

Students are expected to fulfill all course requirements, and although attendance is not always mandatory, it is desirable. Absence from laboratory or studio sessions shall be by agreement with the instructor. Instructors should notify the students, in writing, of what the course requirements will be. Professors may penalize the student for failure to meet specific attendance requirements.

Students who register are considered enrolled in their course(s) regardless of attendance. Refunds will only be processed, according to deadlines published in each semester's Schedule of Courses booklet, for registered students who have formally withdrawn from a course. Students not following this procedure will be charged for all course(s) in which they are registered. Lack of attendance does not constitute a basis for a refund or withdrawal from course(s).

Audit Policy

To "audit" a course at Montclair State University is to attend class regularly, without the obligation of participating in class discussions, laboratory work, examinations, performances or any class activity other than listening. A course may be audited under the following conditions:

1. Audited courses do not carry academic credit.
2. The University's attendance policy applies to audited courses.
3. Students auditing a course must establish eligibility for admission, register, and pay the required tuition and fees.
4. Students must file an Audit Application with the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.
5. A course may be audited only if the department chairperson permits, and if there is space in the class.

For students who ALSO registered for courses carrying regular academic credit:

1. Audited courses are considered part of the student's course load which may not exceed the maximum limits.
2. An "audit" may not be changed to "credit" nor a "credit" to "audit" after the first three weeks of the semester.
3. The student's record will show a grade of "AU" for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.

For students who are registered ONLY for "audited" courses:

1. The student may not change to a credit basis during the term of enrollment.
2. The student's record will show a grade of "AU" for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.
3. A student who later seeks credit by examination for a course previously audited must be enrolled at the University at the time that the examination is taken and is subject to such fee charges for the examination as the University may establish.
4. A student who has audited a course may take the course at a later date for credit.

Basic Skills Requirements

Montclair State University expects all students to demonstrate proficiency in writing, reading, computation, elementary algebra, and speech. The Montclair State University Placement Test, (MSUPT) provides for the demonstration of such proficiencies through a program of skills assessment and academic development. All students admitted to Montclair State University will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT scores are in and placements are determined. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT; credits may be added to the number of semester hours required to graduate. All students are expected to enroll in required developmental courses during their *first* semester of attendance. Full-time students **MUST COMPLETE ALL REQUIRED DEVELOPMENTAL COURSES DURING THEIR FIRST YEAR** of enrollment. Part-time students must enroll in at least one required course during their first semester and continue each semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. Students not completing this requirement may be dismissed from the university.

The Montclair State University requirement in speech must be fulfilled within a student's first 58 semester hour credits by satisfactory completion of the speech communication requirement or by successful Speech Placement Waiver evaluation. Students may consult the department of Speech Communication for a fuller description of the program.

Note that Basic Reading Skills, Basic Skills Math I, Basic Skills Math II, and Basic Speech Improvement do not carry graduation credits. However, these courses do provide credits toward a student's full-time status and, with the exception of "P" (Pass) grades in Math Lab I and II, they do count toward the student's grade point average.

Further information may be obtained from Academic Needs Assessment, Academic Success Center, Morehead Hall, Room 305, telephone (973) 655-4476.

Cancellation of Courses and Staffing

Montclair State University reserves the right to cancel any course for which the enrollment is insufficient. Students may then register, without penalty, for another course for equal credit or receive a full refund of tuition and fees. The University also reserves the right to change faculty assignments and, therefore, cannot guarantee students faculty of their choice.

Class Standing

Sophomore standing is defined as 26-57.99 semester hours earned with a minimum cumulative grade point average (GPA) of 1.600 based upon a possible 4.000 system; junior standing is 58-89.99 semester hours earned with a minimum cumulative GPA of 1.800; senior standing is 90 or more semester hours earned with a minimum cumulative GPA of 2.000. A student must earn a minimum of 128 semester hours with a 2.000 cumulative grade point average as well as a 2.000 grade point average in the major to graduate. The major grade point average includes all courses taken in the major department (except those that the department has specified previously as not being acceptable in the major program) and collateral courses.

Course Loads

Full-time undergraduate students should earn 15-16 credit hours per semester. Special permission is required to take a Course Overload of more than 19 semester hours. To be considered a full-time student one must register for and continue active enrollment in at least 12 semester hours for the entire semester.

Full-time undergraduate students who have at least sophomore standing (26 credit hours earned) and a 3.000 or above cumulative grade point average for the semester most recently completed may, upon the approval of the Dean of the College/School in which the student is majoring, register for a Course Overload. A College/School Dean may make exceptions to the above eligibility criteria for Course Overloads. Requests for Course Overloads of 23 or more credit hours must additionally be approved by the Director of Academic Advisement.

Montclair State University reserves the right to reduce the course load of any student who registers for more than 19 credit hours without Course Overload approval.

Students enrolled in fewer than 12 credits are considered part-time. Provisionally matriculated students may not register for more than 9 credits per semester.

Course Overlap

Students may not register for courses where there is a time/day overlap.

In certain laboratory or studio type courses, in exceptional circumstances, course registration overlap may be permitted with written approval of the instructors of both courses as well as the approval of the dean(s) and chairperson(s) responsible for the instructional area(s).

Students must submit written approval to the Office of the Registrar in order to register for overlapping courses; this must be done in person by the student or his/her representative.

Credit by Examination and Assessment of Life Experience

Montclair State offers the opportunity to all students to earn credit through the College Level Examination Program (CLEP). The Advanced Placement Examination of the College Entrance Examination Board (CEEB), the Thomas A. Edison College Examination Program (TECEP), departmental challenge exams or Portfolio Assessment of Experiential Learning at Thomas A. Edison State College are also acceptable ways by which credit may be earned.

The CLEP General Examinations offer entering students the chance to earn up to 24 credits towards the bachelor's degree. In addition to the general examinations there are also over 30 CLEP subject examinations. The following policies apply regarding the use of credit from CLEP exams toward the degree at Montclair.

THESE RULES APPLY TO ALL STUDENTS ADMITTED EFFECTIVE FALL 1988 OR THEREAFTER AND ALL STUDENTS (REGARDLESS OF ADMISSION DATE) WHO TEST AFTER 9/1/88.

All students are responsible to know and apply the following rules and regulations which govern the application of credit earned through CLEP General and Subject Matter Exams toward the Montclair State degree. It is very important that all students recognize that **ACHIEVING THE REQUIRED TEST SCORE DOES NOT NECESSARILY MEAN THAT CREDIT IS APPLICABLE TOWARD MONTCLAIR STATE'S GRADUATION REQUIREMENTS. IN ADDITION, IT IS THE STUDENT'S RESPONSIBILITY TO INSURE THAT HE/SHE IS NOT SEEKING CREDIT FOR A COURSE FOR WHICH PREVIOUS CREDIT WAS GRANTED.** Students who fail to adhere to these policies

may not be permitted to apply CLEP credit toward the degree regardless of score on the exam.

1. CLEP General Exams must be taken prior to completion of the student's first semester of undergraduate coursework. Students should not register in the first semester for courses for which they plan to seek CLEP credit.
2. Subject Matter exams which are taken for possible use in fulfillment of major or collateral requirements must receive advanced written approval of the major department chairperson in the form of a memo to the Director of Academic Support. Subject exams may not be included within the last 24 credits. (See "residence requirement")
3. Those students seeking credit for ENGL 105—"Freshman Composition" via the CLEP General Exam must include the essay with the English test, and if scoring above the cut-point, will be required to submit a research paper to the Director of Freshman English to fulfill the research component of the Montclair State writing requirement. Please note that the essay is not available at each CLEP administration. **ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST (MSUPT) IN WRITING MAY RECEIVE CREDITS FOR THE CLEP EXAM IN ENGLISH REGARDLESS OF CLEP EXAM SCORE.** A student who fails the Writing portion of the MSUPT must take ENGL 100 even if achieving an acceptable score on CLEP. Students wishing to use a CLEP Subject Matter exam to obtain credit for Freshman Composition should receive advanced written approval from the Freshman English Coordinator.
4. **ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST IN COMPUTATION AND ELEMENTARY ALGEBRA MAY RECEIVE CLEP GENERAL EXAM CREDIT IN MATHEMATICS REGARDLESS OF CLEP EXAM SCORE.** This policy shall apply to all students seeking Math CLEP credit regardless of major.
5. Students receiving six (6) credits in foreign language will be required to complete an additional six (6) credits of foreign language to fulfill the language requirement. Students earning twelve (12) credits will be required to complete either "Structure of American English," an upper level course in the same language, or a lower level course in a different language.
6. To receive credit a full-time student must earn a minimum of 12 semester hours with a minimum grade-point-average (GPA) of 2.000 in the first semester. A part-time student must earn a minimum of 12 semester hours within the first 14-15 semester hours attempted with a minimum GPA of 2.000.

Students having questions about these guidelines are encouraged to contact the Office of Academic Advising, telephone, (973) 655-4106, 4146, or 7068, *before* taking any CLEP tests.

CLEP tests are given at testing sites located throughout the state of New Jersey. For specific information regarding testing sites and CLEP preparation courses, call the Second Careers Program (973) 655 4431.

Montclair State offers students the opportunity to take subject matter challenge examinations for many courses. Not all courses are eligible for credit by examination.

To receive credit by examination:

1. In the first semester, a full-time student must earn a minimum of 12 semester hours with a minimum grade-point-average (GPA) of 2.000.
2. A part-time student must earn a minimum of 12 semester hours within the first 14-15 semester hours attempted with a minimum GPA of 2.000.

Credit for Life Experience

Montclair State uses the evaluating services of Thomas A. Edison College for those who want life experience credits. All requests for evaluation must be made to Thomas A. Edison College, telephone, (609) 292-3400, in the first semester of enrollment. This evaluation and a report of credit will be sent to Montclair State. Failure to initiate the process in the first semester may result in the loss of credit.

Dean's List

The Academic Dean's List, issued after the close of each fall and spring semester by the academic deans, gives recognition to students with a 3.500 or higher semester grade point average (GPA). A minimum of 12 credits must be earned in courses that contribute to the GPA.

Part-time undergraduate students are eligible for the Dean's List each time they achieve a GPA of 3.500 or higher on 12 or more credits which contribute to the GPA. The credits must be earned in two consecutive semesters, excluding summer sessions, with a minimum of six credits in each term. Once a semester's credits have been used to successfully attain Dean's List status for a part-time student, they may not be used for this purpose again.

Final Examinations

Final examinations and evaluations are generally of a comprehensive nature covering the semester's work, but the form, determined by the nature of the course subject matter, varies with individual professors and classes. A schedule of final examinations is found in the Schedule of Courses booklet each semester.

Final examinations are weighted in relation to other evaluations which are made throughout the semester and do not replace periodic tests and other means of measuring student progress.

Grades and Standards

There are seventeen grades used at Montclair State:

A	4.0	Excellent	C	2.0	Fair	P	Pass
A-	3.7		C-	1.7		IN	Incomplete
B+	3.3		D+	1.3		WD	Withdraw
B	3.0	Good	D	1.0	Poor	AU	Audit
B-	2.7		D-	0.7		NC	No Credit
C+	2.3		F	0.0	Failure		

Basic Skills courses, whether they carry credit toward graduation or not, contribute to the grade point average, except for Math Lab I and II (given on a Pass/Fail basis) if a grade of "P" is earned.

The mark "F" signifies: (1) academic failure; (2) failure of the student to submit written notice of withdrawal; or (3) withdrawal after the midpoint in the semester. The mark "WD" is given to those who submit in writing their intention of withdrawing from a course before the midpoint of a semester.

The grade "IN" is intended to indicate that the student has not completed the course and that a grade is being withheld until the work is performed and approved. Students must enter into a formal contract with the faculty prior to the end of the semester, using the form available in the Office of the Registrar. The "IN" if not replaced with a final grade by May 1st for Fall incompletes and December 1st for Spring and Summer, will become an "F." Exceptions can be granted only upon petition to the appropriate College/School Dean.

A change of grade request from other than an "IN" grade, must be processed by faculty and approved by the appropriate College/School Dean no later than the end of the next full semester following the semester

in which the grade was earned. For students completing degree and certification programs, all required course work must be completed by the appropriate conferment/graduation date. The instructor must submit the final grade to the Office of the Registrar no later than 30 days thereafter in order for the diploma/certificate to be awarded. No changes will be made to the academic record beyond 30 days of the conferment/graduation date. The only exception to this policy is for Incomplete grades in electives beyond the number of credits required for the degree or program which may be changed according to the time frames for Incompletes as outlined above.

For purposes of determining the grade point average (GPA) for graduation, academic honors, dean's list, academic probation, academic furlough, suspension and dismissal, and all other situations which require a specific GPA, Montclair State University maintains GPA's to three decimal places. No additional rounding will occur.

An official record of the semester's credits and grades earned will be mailed to students with no financial obligations to the University following the close of each semester. Students can obtain their grades for any semester through the telephone Voice Response System.

Graduation Honors

Undergraduate students who have completed a minimum of 60 undergraduate credits at Montclair State are recognized for academic honors. Grades of "A" through "D-" must be received for a minimum of 48 of these 60 credits.

For recognition of May candidates at the Commencement Exercises, honors designation will be based upon the student's cumulative grade point average as of the previous January.

Academic honors are awarded as follows:

Cumulative GPA of 3.450 - 3.649 cum laude

Cumulative GPA of 3.650 - 3.849 magna cum laude

Cumulative GPA of 3.850 - 4.000 summa cum laude

An honors diploma will be awarded. A period of three-four months should be allowed for verification of cumulative average, printing, and mailing. However, the honors notation will appear on the official transcript approximately one month after graduation.

Independent Study

Montclair State University offers opportunities for students to undertake academic credit on an independent study basis. Students who wish to register for independent study courses must obtain an "Independent Study Application" form from the Office of the Registrar. This form must be completed in full and approved by the instructor and the department chairperson prior to registering.

The full course number (except section number) is required on the form. Registration for independent study courses must be processed in person in the Office of the Registrar. One copy of the Independent Study Application form is then given to the student; one is sent to the department chairperson and one to the instructor; the original is retained by the Office of the Registrar.

Leave of Absence

Full-time undergraduate students in good academic standing may take a leave of absence of one or two semesters by arrangement through the Office of Academic Advising in the Academic Success Center.

Students who take a leave are guaranteed readmission if they file with the Office of Admissions an application for readmission by August 1 for the fall semester and December 1 for the spring semester. Upon termination of the leave period, students are no longer guaranteed reinstatement and must follow normal readmission procedures if they wish to attempt to return to the university.

Major Declaration

Undeclared students should declare a major by the time they have earned 58 semester hours. Students are expected to complete the major for which they apply within the normal number of semester hours required for completion of the degree program. For most undergraduate degree programs, this is 128 semester hours; however, certain programs require more than 128 semester hours.

Pass/Fail Grading

1. Available to Montclair State University Undergraduates Only. All Montclair State undergraduates are eligible to select one course per semester for which they are registered for pass/fail credit, not to exceed 24 semester hours in the degree program.
2. Eligible Courses: Only those courses which are free electives in the student's program. The purpose of this option is to encourage students to explore unfamiliar areas of study without concern for the effect on academic standing.
3. Ineligible courses are those courses which meet the major, minor, collateral, teacher certification, communications or general education requirements. Note that all courses taken in the major department and all collateral courses shall be used in determining the major GPA, thereby rendering these courses ineligible for the Pass/Fail option. (The only exception could be a course that the department has specified previously as not being acceptable in the major program.)
4. Courses offered on a pass/fail basis only will not preclude the student from also taking an additional course on a pass/fail option.
5. Grading: Students will receive either a grade of "P" (pass) or "F" (fail) for course work completed under the option. A grade of "P" does not affect the student's average; however, a grade of "F" will have the same effect as a traditional failure.
6. Students may elect to rescind the pass/fail application at any time prior to the midpoint of the semester. Students should know that letter grades will not replace "P"s if changing majors, attending graduate school, obtaining certification, applying to other colleges requiring letter grades, etc.

Procedure:

Any student electing the pass-fail option must complete a "Pass/Fail Application" and return it to the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.

Plagiarism

All papers, reports and research submitted by students shall be their own except as properly annotated. The copying or imitating of others' work is plagiarism. A student guilty of plagiarism may be subject to dismissal.

Prerequisite Courses

It is the student's responsibility to satisfactorily complete a prerequisite course before scheduling a dependent course.

Registration

Registration is processed through a telephone Voice Response System. Specific directions can be found in each semester's Schedule of Courses booklet.

Repeated Courses

The policy of Montclair State University does not allow undergraduate students to repeat, more than twice, a course in which a grade of "F" was earned. The Dean of each College and School will have the discretion to make exceptions to this policy in special cases and extenuating circumstances. This policy became effective on September 1, 1997, and applies to all students regardless of their date of entry to Montclair State University.

Courses in which the student received grades of "C-" or higher cannot be repeated for credit. If a course in which the student previously earned a grade of "C-" or higher at MSU is repeated at MSU (other than on an official Audit basis -- see section on Auditing Courses) the second grade will be posted as NC (No Credit). It is the student's responsibility to ensure that his/her registration does not include ineligible courses.

To repeat a course a student must register and make payment for that course. Courses must be repeated prior to graduation. There is no special approval required to repeat a course in which a grade of "D-", "D", or "D+" was received. Where a course is no longer offered, the Dean of the College or School, in consultation with the Department Chairperson, shall designate an appropriate replacement course. A course repeated at another institution does not remove an "F", "D-", "D", or "D+" at Montclair State.

When a course has been repeated, both the original and subsequent courses are included on the permanent record, but the credit is counted only once. The grade received in the repeated course becomes the official final grade.

Residence Requirements

A minimum of 32 credit hours of the total required for the baccalaureate degree must be completed at Montclair State. The final 24 credit hours required for graduation must be taken at Montclair State and cannot be acquired through transfer.

Any student who transfers from another institution with advanced standing in a major field of study is required to complete a minimum of twelve credit hours of upper level course work in the major at Montclair State. Some curricula may require more than this minimum.

Retention Standards

All undergraduate students whose cumulative grade point average (GPA) is below 2.000 are automatically on probation. Full-time undergraduates are expected to earn at least 12 semester hours per semester of attendance.

Students are subject to academic furlough, suspension or dismissal if the cumulative GPA is below minimum retention for the number of semester hours earned. Semester hours earned include all courses passed at Montclair and any credits earned through transfer, credit by examination or assessment. First semester freshmen and first semester transfers falling below retention are automatically given a semester of probation before furlough, suspension or dismissal.

Total Semester Hours Earned	0-57	58-89	90 plus
Minimum Retention	1.600	1.800	2.000
Academic Furlough	1.400-1.599	1.600-1.799	1.800-1.999
Academic Suspension	1.000-1.399	1.200-1.599	1.400-1.799
Academic Dismissal	0-0.999	0-1.199	0-1.399

Furlough

Academic furloughs are given to students whose cumulative GPA is below retention and/or are not making satisfactory progress for the degree. When a student is on academic furlough, he or she may not take course work at Montclair State.

Students given an academic furlough are eligible to apply for readmission through the Office of Admissions for the semester beginning one calendar year following the Academic furlough. Readmission is automatic.

A student who is readmitted from academic furlough is given two semesters to raise the cumulative GPA to retention level and make satisfactory progress towards the degree. If the student does not perform at a 2.000 level the first semester back or is not at retention level after two semesters, the student is given an academic dismissal.

Suspension

Academic suspensions are given when a student's cumulative GPA is below retention level and/or is not making satisfactory progress for the degree. When a student is on academic suspension, he or she may not take course work at Montclair State.

Students given an academic suspension are eligible to apply for readmission through the Office of Admissions for the semester beginning one calendar year following the academic suspension. Readmission is not automatic. It is based on the probability of success in the chosen major and upon the space available at the time.

Retention requirements after readmission from academic suspension are the same as those listed above for academic furlough.

Dismissal

Academic dismissals are given to students whose cumulative GPA is below retention level or to students who have returned from furlough and suspension and did not achieve at a suitable level. A student placed on academic dismissal is not eligible to return to Montclair State, however, may re-apply for admission after earning an associates level degree from an accredited two year college.

A student placed on academic dismissal is also eligible to apply for readmission to MSU after completing a minimum of 60 semester hours of credit at an accredited four-year institution with a cumulative GPA of 2.50 on a grading scale with a maximum value of 4.00.

When the student is readmitted, the courses taken and the grades earned at MSU prior to dismissal will remain on the student's transcript but the credits earned will not be used towards the completion of the program requirements nor will the grades for these courses be used in computing the grade point average.

After the student has been readmitted and has completed one semester of study at MSU, the following statement will be printed on his/her transcript:

REQUEST TO NULLIFY GRADES EARNED IN TERM/YEAR GRANTED. GRADES ARE NOT APPLICABLE TO COMPLETION OF PROGRAM REQUIREMENTS AND ARE NOT CALCULATED IN GPA.

Standards for Formal Written Work

Most courses at Montclair State require written assignments, because writing is one of the best ways to explore, refine, and demonstrate knowledge. The following statement describes the mental operations and the writing skills that the faculty expects in your *formal* written work. (You should assume that an assignment requires formal preparation unless your instructor states otherwise.) The Freshman Composition course provides a solid foundation in these abilities, but that is only the beginning. The written work that you do in all your courses will build on the foundation established in Freshman Composition, developing your ability to think and to communicate your thoughts in writing.

In the academic world, as in the world at large, readers will judge your written work primarily on the basis of its content; that is, on the quality of the information and opinions it contains. However, the careful organization and the clear, concise expression of that content are essential if your readers are to grasp your full meaning. The faculty will therefore evaluate the organization and expression of your written assignments along with the content. Grammar, mechanics, and appearance will also be considered, because problems in these areas can interfere with readers' comprehension of your work, or even prevent them from giving it their serious attention.

Individual departments and instructors may add their own requirements to this statement, and each instructor will decide how the various elements will influence grading in a particular course. However, in the course that you will take to satisfy your graduation requirement in writing, you will be given a grade of Incomplete and referred to the Writing Workshop if your writing has severe problems. This will apply regardless of the average grade of any other work done in that course.

If you have questions about this document, you may seek clarification from your instructors, from the English Department, or from the Writing Workshop staff. The Writing Workshop offers consultation and tutorial help to all students on a drop-in basis, 285 Dickson Hall, (973) 655-7442. There is no charge for this service.

Writing and Thinking

You should be able to perform with college-level competence the mental operations on which written work depends. These include:

- Generalization: Finding the common element that relates particular examples or instances to each other; abstracting.
- Inference: Drawing out meanings that are implied but not stated explicitly; reading between the lines.
- Analysis: Examining parts of the whole, such as causes, effects, and processes.
- Synthesis: Forming ideas into new relationships; creating.
- Evaluation: Making judgments according to criteria.

You should be able to apply to new situations the knowledge you have gained from your classes, your reading, and your investigations.

You should be able to draw your own conclusions, rather than simply to restate or summarize the ideas of others.

You should be able to state a thesis clearly and support it with reasoning and evidence.

You should be able to organize the parts of a paper in an orderly sequence, governed by a controlling purpose that is clear to the reader. Paragraphs and subsections should also have their own internal order.

You should be able to adapt what you write to the needs and expectations of your intended audience, whether it is your peers, your teacher, other scholars in a discipline, or the general public.

The Writing Process

Successful writing is seldom merely the recording of the writer's first thoughts. More often it is the result of a process involving several stages.

You should know how to use strategies that will help you to:

- Choose and limit a topic
- Produce rough and polished drafts
- Collect information
- Revise and edit
- Develop ideas
- Proofread

Library Research and Documentation

You should be able to find and use materials published in various forms, including books, periodicals, newspapers, government documents, abstracts, microforms and recordings.

You should be able to summarize or paraphrase the written work of others. Paraphrased material must be completely restated in your own words, and should blend smoothly into your style.

You should be able to identify your source material according to the method your instructor requires. Data or distinctive ideas taken from sources must be identified by a footnote or some other form of citation, *even if those ideas are not quoted directly*. Direct quotations must be identified by a citation as well as by quotation marks or block indentation.

Failure to treat source material properly may be construed as plagiarism, a serious academic offense. (See Plagiarism under Academic Policies and Procedures.)

Standard English, Grammar, Style

Your papers should be written in formal, standard English. They should be free of nonstandard constructions (such as double negatives) and of informal usage (such as "The experiment went O.K.>").

Your sentence structure should be free of major grammatical problems, such as sentence fragments, subject-verb disagreement, inconsistent verb tenses, unclear pronoun reference, and misplaced modifiers.

Your sentences should be clear and concise, showing capable use of the tools necessary to a mature writing style, such as coordination, subordination, parallelism, and transitional devices.

Your choice of words should be precise and appropriate to your subject. You may sometimes find it essential to use technical terms, but you should always avoid unnecessary jargon.

Mechanics and Appearance

Your papers should contain no errors in spelling, punctuation, capitalization, or typing.

You should show careful attention to matters of appearance, including legibility, neat corrections, and suitable presentation.

The use of a word processor is encouraged, provided that the printout is easily readable.

If your instructor does not specify how you are to present your paper you may follow these recommendations:

Use a cover sheet that includes:

- your name
- the title of the paper
- the title and section number of the course
- the name of the instructor
- the date

Make margins at least one inch all round.

Number the pages.

If possible, type your formal papers.

- Use standard typing paper: 8½ x 11 inch, white, medium weight.
- Use dark typewriter ribbon. Keep the keys clean.
- Double space.

If you cannot type your paper or have it typed, make sure that your writing or printing is legible.

Make corrections neatly. Use an eraser, correction tape, or correction fluid. If you discover an error at the last minute, make a neat correction right on the paper.

Student Responsibility

Students are expected to assume responsibility for knowing and meeting the various regulations and procedures set forth in the Montclair State University catalogs and in the schedule of courses booklet published each semester. Montclair State University reserves the right to terminate the enrollment of any student whose conduct, class attendance, academic record or financial obligation should prove unsatisfactory.

Student Rights

The *Family Education Rights and Privacy Act of 1974* (FERPA) permits the University to release directory information about a student unless the student specifically requests that this information be withheld. Students who do not wish directory information to be released should notify the Office of Student Development and Campus Life, Room 400, Student Center, within the first two weeks of each semester.

Montclair State University defines directory information as: name and address, telephone number, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, height and weight of members of athletic teams, dates of attendance, degrees and awards received, photographs, most recent previous institution attended, date of degree conferment, career (UG/GR), status (full-time or part-time), and classification (freshman, sophomore, junior, senior, pre-matriculated, provisionally matriculated, matriculated, etc.). Student rights under FERPA include the following: the right to inspect and review; the right to request amendment of records; the right to consent to disclosure, with certain exceptions; the right to file a complaint with the U.S. Department of Education; the right to obtain a copy of the student records policy (a policy statement pertaining to this matter may be obtained from the Office of the Vice President of Student Development and Campus Life).

Montclair State University is an equal opportunity/affirmative action institution and does not discriminate on the basis of sex, race, color, national origin, age or physical handicap in providing access to the University's benefits, services, and employment opportunities in compliance with relevant federal and state legislation. Inquiries may be directed to the Office of Equal Opportunity/Affirmative Action, Room 231, College Hall, (973) 655-4349.

Transcripts

In order to receive an official Montclair State University transcript, students must complete and sign a transcript request form, available through the Office of the Registrar. A fee of \$3.00 per copy (both undergraduate and graduate records for the same student are considered one copy) is payable, in advance, to Montclair State University. Same day processing service is available at a charge of \$10.00 for the first copy and \$6.00 for each additional copy.

At the conclusion of each semester, please allow ten working days for grade processing. Transcript requests which include grades from the immediately proceeding semester will be processed after the grading cycle is complete. Transcripts will not be released for students who have a financial obligation (e.g., library, parking, loan, etc.) to Montclair State University.

Students may also access their grades through the Voice Response System.

Transfer Credit

Undergraduate students who wish to take courses at another institution and transfer the credits to Montclair State University must complete the form "Request for Work at Another Institution" available in the Office of the Registrar prior to enrollment in the course(s) they wish to transfer. Pending verification that the transfer institution is regionally accredited, all accepted credits will be listed, without grades, on the student's permanent record. Grades earned at other institutions are not included in the Montclair State University cumulative grade point average, nor can they be used to repeat a "D+", "D", "D-" or "F" grade earned at MSU. However, transfer credit hours are used in determining the student's class level.

All specific requirements for the Montclair State University degree must be completed even though this may involve more than that expected by the student at the time of transfer. Courses with grades of "D+", "D", or "D-" are acceptable only if the transfer student has an A.A. or A.S. degree from the transfer institution. Grades of "F" are not acceptable for transfer credits.

Transfer Credit

Full-Faith-and-Credit

The New Jersey State Board of Education's full-faith-and-credit policy applies to graduates of New Jersey community colleges seeking admission to the New Jersey state colleges/universities (Rowan, New Jersey City, Kean, Montclair, Ramapo, Stockton, College of New Jersey, and William Paterson).

The policy guarantees graduates of approved transfer programs in the New Jersey community colleges and Thomas A. Edison State College admission to a New Jersey state college/university although it may not be the college/university of first choice. The provisions in the full-faith-and-credit policy pertaining to acceptance of general education credits and the number of additional credits required to complete the baccalaureate degree apply to students in approved transfer programs, Associate in Arts (A.A.) or Associate in Science (A.S.), who are continuing in the same major at the four-year institution. Students graduating from a community college with an Associate in Applied Science (A.A.S.) degree may also be guaranteed credit for particular courses in cases where an articulation agreement has been established between Montclair State and the community college.

Transfer Credit

Non-Accredited Institutions

To receive evaluated credit from an institution licensed by a state to grant degrees but not regionally accredited:

1. In the first semester, a full-time student shall earn a minimum of 12 semester hours with a minimum grade point average of 2.000.
2. A part-time student shall earn a minimum of 12 semester hours in the first 14-15 semester hours attempted and with a minimum cumulative grade point average of 2.000.

Undergraduates in Graduate Courses

Montclair State University seniors within 16 semester hours of completing the baccalaureate degree requirements, who possess at least a 2.700 grade point average and have taken all required prerequisites, may apply for permission to take up to 6 hours of 500 level courses for either undergraduate *or* graduate credit or up to 6 hours of 400 level coursework for graduate credit, if prior permission is granted. A graduate course taken for undergraduate credit *cannot* later be included in a graduate degree program. If courses are taken for graduate credit, graduate tuition and fees will be charged and the courses will appear on a graduate record. The required forms are available at the Graduate School; they must be completed and submitted to the Office of the Registrar in person when registering.

Admission of an undergraduate to a course that yields graduate credit does not imply future acceptance into any graduate program. That can only be done through the normal graduate admission process. Those planning to matriculate in graduate programs at Montclair State University should refer to the Graduate Catalog for specific admission requirements.

Waivers and Credit Adjustments for Freshman English

The following policies apply to students entering as freshmen or as transfer students beginning in Fall 1988.

To obtain waivers or credit adjustments for Basic Composition, Freshman Composition, and Introduction to Literature, students must see the Freshman English Coordinator.

Waivers of Freshman Composition, with or without credit, must be completed before the end of the sophomore year for students who enter the college as freshmen. Transfer students must complete these waivers by the end of their first semester of attendance.

- I. Waiver of Requirement *without* Credit
 - A. For Freshman Composition (satisfies the Communication Requirement in Writing):
Submit an acceptable research paper demonstrating college-level skills in both writing and research. (Students must first qualify to take Freshman Composition by achieving the appropriate score on the Montclair State University Placement Test.)
 - B. For Introduction to Literature (satisfies the Communication Requirement in Reading):
Score 4 or higher on the ETS Advanced Placement Examination in English Literature and Composition (not Language and Composition). The Communication Requirement in Reading is waived, and the student has the option of taking Introduction to Literature *or* another course in English or American literature.
- II. Waiver of Requirement *with* Credit
 - A. For Freshman Composition: Waiver of the Communication Requirement in Writing and award of 3 credits.
 1. Score 4 or higher on the ETS Advanced Placement Examination in English Literature and Composition *or* English Language and Composition. Submit an acceptable research paper demonstrating college-level skills in both writing and research.
 2. Score 530 or higher on the ETS College Level Examination Program (CLEP) General Examination in English with essay. Submit an acceptable research paper demonstrating college-level skills in both writing and research. (Students must first qualify to take Freshman Composition by achieving the appropriate score on the Montclair State University Placement Test.)
 - B. For Introduction to Literature: Waiver of the Communication Requirement in Reading and award of 3 credits. Score at or above the 50th percentile on the ETS College Level Equivalency Program (CLEP) Examination in Analysis and Interpretation of Literature.

Withdrawal from Courses

Students may use the Voice Response System to drop courses until the 100% refund deadline. After this time, all requests to withdraw must be submitted to the Office of the Registrar in writing. Students may fax a request to withdraw (973) 655-7371, they may mail a written request to withdraw, or they may complete a Withdrawal form. Please note that there is a mail slot in the door of the Office of the Registrar in which written requests to withdraw may be submitted during non-office hours. (Notification to the instructor or a "Stop Payment" of a check does not constitute an official withdrawal from Montclair State University or withdrawal from individual courses.) Upon receipt of the withdrawal notice, the student will be given or sent acknowledgment. Any student who fails to receive such acknowledgment within two weeks should immediately notify the Office of the Registrar. Withdrawals are computed from the date of receipt of the written notice or from the date of the U.S. postmark for those received through the U.S. mail. Students who do not submit a written notice will receive the mark of "F" in those courses which they cease to attend. See the current Schedule of Courses booklet for deadline dates.

Withdrawal from Montclair State

A full-time undergraduate student wishing to withdraw from the institution must complete an official withdrawal form obtained in the Office of Academic Advising. If the student is a minor, the signature of a parent or guardian is required on the withdrawal form. Strict adherence to the withdrawal procedure is necessary for possible readmission to Montclair State University. In addition to filing the official withdrawal form, students must withdraw from semester courses by filing a "Course Withdrawal Form" in the Office of the Registrar, according to established deadlines.

Late Withdrawal Procedure

Students who find it necessary to withdraw from one or more courses after the midpoint of the semester for **medical reasons or personal emergency** must petition the Dean of Students in writing, and provide supporting documentation. Late withdrawals can only be approved within one calendar year from when the course was taken.

Requirements for the Undergraduate Degree

The academic program of Montclair State has been designed to provide each student with an in-depth experience in a major program, a sequence of courses to develop basic communication skills, and a series of general education courses to expose the student to the breadth and methods in the various fields of human knowledge. The structure of the general education program is designed to provide the best comprehensive liberal arts education for all students.

The following pages provide a description of the degree program requirements and an outline of the general education program required of all students.

These requirements are basic and should be a major part of the first two years of a student's undergraduate program. Departmental curriculum guides provided for your major course sequence should also be consulted.

In addition to the requirements stated above, the University requires that the academic preparation of all incoming students be reviewed and appropriate testing be administered through the Montclair State University Placement Test. If a student is found to have deficiencies in the areas of reading, writing, computation and/or elementary algebra, developmental courses are required and the student is expected to meet minimum standards during the first year of attendance at Montclair State.

General Education

Requirement	34-59 Semester Hours
B.A./B.S.	58-59 Semester Hours
B.F.A./B. Mus	34 Semester Hours

Major Field	33-82 Semester Hours
Graduation Requirement in Writing	

Electives	12-37 Semester Hours
Minorities Culture Requirement (one course)	
Minimum number of semester hours required for graduation	128 Semester Hours

Teacher certification requirements involve use of 27-28 semester hours of the electives. Some teacher certification and other major programs require completion of more than 128 semester hours prior to graduation. For details on specific programs, consult the academic programs section of this catalog and the program worksheets obtained from Montclair's academic advisor or faculty advisor. General information on teacher certification may be found in this catalog, listed under Other Academic Programs, Teacher Education in the Table of Contents.

General Education Requirement (GER)

The General Education Requirement at Montclair State is among the most comprehensive in area colleges and universities. On completion of the requirement, one will enjoy the benefits of the best of the traditional liberal arts curriculum: facility in a foreign language, a sense of history, a perspective on social sciences, a familiarity with the humanities and art, and an understanding of mathematical and scientific principles and some of their contemporary applications. Beyond these traditional areas, one will have had the opportunity to study a major non-Western culture and several non-Western literary masterpieces. At least one important contemporary issue will have been examined in depth, and an introduction to computers will have been provided.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in nearly every course. Whenever possible, professors will show how several academic disciplines bear on a single problem or topic.

The General Education Requirement dedicates some of the major resources of Montclair State to the benefit of introductory students. Combining the strength of the liberal arts curriculum with a contemporary approach to social and technological change, it supplies a valuable balance to any major program.

The following General Education Requirements apply to full-time freshman and part-time students who began their studies at Montclair State in Summer/Fall, 1983 or thereafter and transfer students entering Montclair in Fall 1985. These requirements are subject to change. Periodic visits to your faculty advisor or a Montclair academic advisor are strongly recommended to avoid difficulties in meeting graduation requirements.

Bachelor of Arts and Bachelor of Science

It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER categories listed below.

The same course may be used to satisfy both GER and major, certification, or minorities culture requirements, if it has been approved for these purposes, except that courses in a student's major department may not be used to satisfy the "General Education Electives" requirement described in section J below.

A. Communication Writing 9 Semester Hours

A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading

A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening

A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues

3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

C. Fine and Performing Arts:

Art Appreciation

3 Semester Hours

A course in the inherent styles and qualities of a particular art form, designed to provide familiarity with important masterpieces in an historical and stylistic context, an understanding of the processes involved in creating art, and an ability to recognize and appreciate excellence.

D. Foreign Language

6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT

As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

1. students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
2. students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
3. any exception to the foregoing must be approved by the chair of the appropriate department.

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required.

A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

1. by taking a ONE semester course above the intermediate level in the language tested;
2. by taking the ONE semester course STRUCTURE OF AMERICAN ENGLISH offered by the Linguistics Department.

E. Humanities

6 Semester Hours

1. World Literature or General Humanities: 3 Semester Hours

World Literature: A course in major works of world literature from Western and non-Western literary traditions. Taking the course will provide you with an expanded awareness of national and international cultural concerns, as well as a heightened sensitivity to literature.

General Humanities: An interdisciplinary course in General Humanities with emphasis on the great questions which have concerned and inspired artists and thinkers through the ages. The course will provide you with greater knowledge of the range of humanistic achievement in several areas of creative endeavor, and a deeper understanding of the values of different civilizations.

2. Philosophy/Religion: 3 Semester Hours

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics

5 Semester Hours

1. Mathematics: 3 Semester Hours

A course in mathematics as a tool of scientific investigation and as a significant part of our heritage, stressing an appreciation of mathematics as a tool for problem solving and analysis, and a greater ability to think precisely and logically.

2. Computer Science: 2 Semester Hours

A course illustrating the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy.

G. Natural/Physical Science

7 Semester Hours

1. Laboratory Science: 4 Semester Hours

2. Non-Laboratory Science: 3 Semester Hours

Two courses in natural/physical science, at least one with a laboratory component. The courses are designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in each course.

H. Physical Education

1 Semester Hour

A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science

12 Semester Hours

1. American or European History: 3 Semester Hours

A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Non-Western Cultural Perspectives: 3 Semester Hours

A course in the culture or civilization of indigenous peoples in Africa, Asia, or the Americas. Completing this requirement will provide important insights into the development of cultures not influenced in their formative stages by Western civilization.

3. Social Science (other than History): 6 Semester Hours

Each student will take one survey and one topic course.

- A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.
- A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives 6 Semester Hours

- GER approved courses (other than Physical Education)
- General introductory courses at the 100-level or 200-level in any department in the schools of Fine and Performing Arts, Humanities and Social Sciences, and Mathematical and Natural Sciences.
- Courses in the areas of Creative Expression and/or Personal/Professional Issues

Creative Expression

An elective course in the creative process in a particular art form. A creative expression course will afford the opportunity to be personally involved in a creative activity and gain insights into both the technical difficulties and the creative choices which artists face. One should develop not only a lifelong appreciation of the arts, but also remain an active participant.

Individual and Professional Issues

An elective course in personal or professional development. Taking one of these courses should provide a better understanding of oneself, teach one how to interact with others more effectively, or gain a more developed perspective on career choices.

Note: General Education Electives must be taken outside the student's major.

Bachelor of Fine Arts and Bachelor of Music

It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER categories listed below.

The same course may be used to satisfy both GER and major, certification, or minorities culture requirements, if it has been approved for these purposes.

A. Communication 9 Semester Hours
Writing

A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading

A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening

A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues 3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

**C. Fine and Performing Arts:
Art Appreciation** (Not Applicable)

D. Foreign Language 6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills; increased cultural understanding. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT

As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

- students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;*
- students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;*
- any exception to the foregoing must be approved by the chair of the appropriate department.*

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required.

A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

- by taking a ONE semester course above the intermediate level in the language tested;*
- by taking the ONE semester course STRUCTURE OF AMERICAN ENGLISH offered by the Linguistics Department.*

E. Humanities 3 Semester Hours
Philosophy/Religion

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics

2 Semester Hours

Computer Science

A course in the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy i.e., the ability to perform basic tasks in a standard computer language.

G. Natural/Physical Science

4 Semester Hours

Laboratory Science

A course in natural/physical science with a laboratory component. The course is designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in the course.

H. Physical Education

1 Semester Hour

A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science

6 Semester Hours

1. American or European History: 3 Semester Hours

A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Social Science (other than History): 3 Semester Hours

A course in social sciences other than history.

a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.

b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives

(Not Applicable)

Major Field

Since one of the main purposes of an arts and science program is to give the student a broad general education, requirements for an arts and science major are generally limited to 33-82 semester hours. Requirements for major programs vary; a number of these major programs have "tracks" or concentrations. For details on specific programs, consult the academic programs section of this catalog and the program work sheets prepared by the College academic advisor or faculty advisor.

Free Electives

Students may fulfill their remaining credits for a minimum of 128 semester hour degree requirements through the selection of any other courses. Students may also choose a minor in a field by taking the appropriate course work as part of their free electives. They may also use electives to meet the teacher certification requirements.

Multicultural Awareness Requirement

The purpose of the Multicultural Awareness Requirement is to ensure that all graduates are acquainted with the life, history, and contributions of Africans, African-Americans, Asian/Pacific Islanders, Latinos, Women and Native Americans. With the completion of this requirement, all graduates will have a fuller appreciation of our nation's heritage and future directions.

The following is a listing of the courses which meet this requirement. Certain of the courses listed below may simultaneously be used to meet the General Education Requirements and/or the Human and Intercultural Relations Requirement for Teacher Education, if they are included on the approved list of these courses.

Anthropology

ANTH	100	Cultural Anthropology
ANTH	110	Anthropology of Multicultural America
ANTH	115	Cultures of the Middle East
ANTH	120	Native North Americans
ANTH	130	Cultures of Southeast Asia
ANTH	140	Nonwestern Contributions to the Western World
ANTH	150	Native Latin Americans
ANTH	170	Peoples of Africa
ANTH	210	Urban Anthropology
ANTH	240	Human Variation
ANTH	380	Anthropology of Women

Classics and General Humanities

GNHU	186	Myths and Images of Women in French Literature
GNHU	289	Francophone Film
GNHU	381	Africa in Classical Antiquity
GNHU	383	Women in Antiquity
GNHU	399	Development of Black Thought

Counseling, Human Development and Educational Leadership

COUN	481	The Legal Rights of Women
------	-----	---------------------------

Curriculum and Teaching

CURR	412	Field Work in Urban Education
CURR	423	Teaching in Urban Schools

Earth and Environmental Studies

EUGS	206	Introduction to American Urban Studies
EUGS	301	Urban Field Studies
EUGS	308	Land and Life in Latin America
EUGS	313	Urban Geography
GELA	100	The Many Worlds of Latin America: Interdisciplinary Perspectives

Economics and Finance

ECON	215	The Economics of Social Problems
ECON	405	Economic Development of Sub-Saharan Africa

Educational Foundations

EDFD	264	Sexism in American Education
EDFD	445	Puerto Rican Children in Mainland Schools

English

ENGL	238	Black Writers in the United States: A Survey
ENGL	294	Women Poets
ENLT	274	Twentieth Century Literature of Immigration
ENLT	366	African Myth and Literature
ENLT	367	Contemporary African Literature

Fine Arts

ARHS	220	Art in Non-Western Societies
ARHS	275	Afro-American Art
ARHS	458	African Art: Sub-Saharan

French, German, and Russian

FREN	289	Francophone Film
FRIN	289	Francophone Film
GRIN	297	Women in Russian Literature

History

HIST	108	Introduction to African Civilization
HIST	109	Introduction to Islamic Civilization
HIST	114	Early Latin American Civilization
HIST	115	History of Puerto Rico
HIST	131	Introduction to Indian Civilization
HIST	132	Introduction to Chinese Civilization
HIST	133	Modern Chinese Civilization
HIST	205	Minorities in American History
HIST	215	Women in American History
HIST	217	History of Black Americans

Human Ecology

HECO	205	Women in Contemporary Society
HEFM	445	The Inner City Family

Latin American and Latino Studies

LALS	201	Perspectives on Latin America
LALS	205	Image and Identity: Representation of Latin American Women in Film and Fiction

Legal Studies

LSLW	220	Conflict and Its Resolution
------	-----	-----------------------------

Linguistics

LNGN	255	Language and Gender
------	-----	---------------------

Management

MGMT	332	Minorities in Business
------	-----	------------------------

Music

MUGN	150	Influence of Afro-American Culture on Music
MUGN	209	Introduction to Jazz
MUGN	250	Rap and Rock as Cultural Phenomena
MUGN	309	The Art of Jazz

Philosophy and Religion

PHIL	237	Asian Philosophy
RELG	106	African Religious Traditions
RELG	108	African-American Religious Experience
RELG	210	Native American Religions
RELG	212	Asian Religions
RELG	267	Women in Religion

Political Science

POLS	204	Government and Politics of Africa
POLS	206	Government and Politics of China and Japan
POLS	214	Women in Politics
POLS	308	Ethnic Politics in America
POLS	312	Black Politics in America
POLS	404	Government and Politics of India and South Asia
POLS	405	Government and Politics of Latin America

Psychology

PSYC	102	Women's Worlds
PSYC	231	Psychology of Aggression
PSYC	245	Mental Health Issues of Hispanic Americans
PSYC	246	Psychology of the Black Experience
PSYC	265	Psychology of Women

Reading and Educational Media

MEDI	355	Media in Intercultural Communication
------	-----	--------------------------------------

Sociology

SOCI	202	Racial and Ethnic Relations
SOCI	205	Black Family
SOCI	311	Urban Sociology
SOCI	315	Social Stratification
SOCI	430	Sociology of Gender

*Spanish/Italian (*Taught in Spanish)*

SPAN	280	Cuban Cultural History*
SPAN	360	Hispanic Community Program*
SPAN	376	Spanish-American Cultural History*
SPAN	472	Puerto Rican Literature and Thought*
SPAN	475	Seminar on Hispanic Culture in the United States*
SPIN	161	Magic Realism in Spanish American Literature

Theatre and Dance

DNCE	345	Dance Technique: Ethnic
THTR	265	The Contemporary Theatre of Cultural Diversity
THTR	280	The Power of Masks

Women's Studies

WMST	102	Women's Worlds
------	-----	----------------

Writing Requirement

Written work is an important part of the Montclair State curriculum because writing offers students the opportunity to think deeply and searchingly about their subjects and because skill in written expression is crucial to the welfare of both individuals and society. Montclair State's policy regarding written work includes the following requirements and provisions:

1. The document "Standards for Formal Written Work," which is published in this catalog, outlines in a general way Montclair State's expectations concerning the content, organization, and format of written assignments. These provisions may be supplemented by departmental writing policy statements or by those of individual instructors.
2. As part of the General Education Requirement, each student must satisfy the communication requirement in writing, usually by taking Freshman Composition.
3. Writing is an important part of course requirements throughout the institution (minimum: 1,500 to 2,000 words per course). This work may take such forms as essay examinations, research papers, laboratory reports, critical essays, and so forth.
4. All students must satisfy a graduation requirement in writing. Each department must evaluate the writing ability of its majors by means of a required course (or choice of courses) with substantial writing assignments. Normally this course should be taken in the junior year. Students with serious writing problems will be referred to the Writing Workshop and may not graduate until those problems have been eliminated. Students should consult their academic advisor or major department chairperson regarding this course and other aspects of the department's writing policy. See list.
5. The Writing Workshop (D1-285, 973-655-7442) is available to all University students who are committed to developing themselves as writers. Whether students are encouraged to attend the Workshop by an instructor, or choose the Workshop on their own, students will be provided with a tutor for weekly meetings. Workshop tutors' abilities to give concrete, encouraging, and regular feedback coupled with other useful writing exercises will enable writers to improve their capacity to develop and express complex ideas meaningfully and clearly. There is no charge for this service.

Courses Satisfying the Graduation Requirement in Writing

Accounting, Law, and Taxation

ACCT 303 Auditing Theory and Practice

Anthropology

ANTH 102 Anthropological Linguistics

Biology and Molecular Biology

BIOL 380 Genetics

Broadcasting

BDCS 140 Writing for the Broadcasting Media

Chemistry and Biochemistry

CHEM 343 Experimental Physical Chemistry

CHEM 495 The Chemical Literature

Classics and General Humanities

GNHU 281 Greek Civilization

Latin

LATN 201 Latin Literature of the Republic

LATN 202 Latin Literature of the Golden Age

LATN 203 Latin Literature of the Silver Age

LATN 204 Latin Literature of the Middle Ages

Communication Sciences and Disorders

CS&D 201 Perspectives on Communication

Computer Science

CMPT 287 Data Structures and Algorithms

Curriculum and Teaching

Technology

Non-Teacher Education

INDS 461 Management and Production

Teacher Education

ISED 362 Principles and Methods of Teaching
Industrial Education

Earth and Environmental Studies

EUGS 309 Research Methods

EUGS 310 Quantitative Methods in Geography and
Urban Studies

GEOS 434 Stratigraphy

GEOS 444 Petrology

GEOS 457 Meteorology

Economics and Finance

BEOS 320 Administrative Business Communications

FINC 490 Seminar in Finance

English

ENGL 220 The Pursuits of English

Fine Arts

ARHS 105 Art in Western Civilization: Ancient and
Medieval

ARHS 106 Art in Western Civilization: Renaissance to
Modern

French, German, and Russian

FREN 350 Translation I

FREN 351 Translation II

FREN 452 Translation III

GERM 352 German Civilization II

General Humanities

- GNHU 201 General Humanities I (to 1400)
GNHU 202 General Humanities II (from 1400)

Health Professions, Physical Education, Recreation, and Leisure Studies

- Health Education
HLTH 315 Public Health
HLTH 330 Foundations of Health Education
Allied Health Services
HLTH 315 Public Health
HLTH 455 Core Concepts in the Delivery of Health Care
Physical Education and Health (Dual Certification)
HLTH 315 Public Health
Physical Education
PEMJ 100 Orientation to the Field of Health and Physical Education
PEMJ 352 Development and Philosophy of Physical Education
Recreation and Leisure Studies
PERL 124 Introduction to Recreation, Tourism, Hospitality and Leisure Services
PERL 322 History and Philosophy of Leisure, Play and Recreation

History

- HIST 100 The Study of History

Human Ecology

- HEMG 270 Individual Management: Theories and Strategies

Information and Decision Sciences

- BEOS 320 Administrative Business Communications

Linguistics

- LNGN 300 Syntax

Management

- MGMT 316 Human Resource Management

Marketing

- MKTG 442 Marketing Research
MKTG 483 Seminar in Retail Management

Mathematical Sciences

- Mathematics
MATH 335 Elements of Linear Algebra
Physics
PHYS 280 Astronomy
PHYS 310 Advanced Mechanics
PHYS 350 Optics
PHYS 462 Nuclear Physics

Music

- MUHS 307 Music History I

Philosophy and Religion

- Philosophy
PHIL 331 History of Philosophy: Ancient Philosophy
PHIL 333 History of Philosophy: Modern Philosophy

Political Science

- POLS 201 Comparative Politics

Psychology

- PSYC 301 Experimental Psychology
Community Psychology
PCOM 387 Methods in Evaluation Research

Sociology

- SOCI 201 Foundations of Sociological Inquiry

Spanish/Italian

Spanish

- SPAN 142 Spanish Composition and Stylistics
SPAN 350 Translating I
SPAN 351 Translating II
SPAN 422 Practicum in Translating

Italian

- ITAL 142 Grammar and Composition II

Speech Communication

Communication Studies

- SPCM 374 Group Processes
SPCM 388 Seminar in Public Relations

Theatre and Dance

B.F.A. Dance

- DNCE 315 Dance History: Primitive to 1850
DNCE 316 Dance History: 1850 to Present

B.F.A. Acting, Production/Design Theatre; B.A. Theatre Teacher Certification

- THTR 208 Play Script Interpretation
THTR 210 Theatre History: Classical to Elizabethan
THTR 211 Theatre History: Restoration to Modern

Basic Skills Requirement

1. All students must demonstrate proficiencies in writing, reading, computation, elementary algebra, and speech which are compatible with the successful performance of college level work. The Montclair State University Basic Skills Requirement provides for the demonstration of such proficiencies through a program of skills assessment and academic development.
2. The Montclair State University Placement Test (MSUPT) is administered prior to the beginning of the fall and spring semesters. All students accepted to Montclair State will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT test scores are in and placements are determined. Transfer students may be required to present verification of upper class standing to the Academic Needs Assessment prior to registering for classes.
3. The Basic Skills Requirement in reading, writing, computation and elementary algebra may be fulfilled by achieving satisfactory scores on the appropriate sections of the MSUPT.
4. Students receiving low scores on the various sections of the MSUPT may have credits added to the number of semester hours required to graduate. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT.
5. Students are expected to take required developmental courses during their first semester at Montclair State. Full-time students must satisfactorily complete all required courses within the first year of enrollment. Part-time students must enroll in at least one required course during their first semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. No student may withdraw from developmental courses, and any student will be dismissed from Montclair State who does not satisfactorily complete the required developmental course(s).
6. Since the Mathematical Sciences and the Computer Science Department have Basic Skills prerequisites for all of its courses, students will not receive credit for any mathematics course if the Basic Skills Requirement in mathematics has not been satisfied.
7. The Montclair State University Basic Skills Requirement in speech must be fulfilled within a student's first 58 semester hour credits by:
 - A. satisfactory completion of the Speech Communication Requirement.
 - OR**
 - B. successful Speech Placement/Waiver evaluation:
Application for this examination may be made in early October or early February at the Department of Speech Communication. Passing the examination *does not* grant semester hour credit, only satisfaction of the Speech requirement.
8. All questions about Basic Skills should be addressed to the Academic Needs Assessment, Academic Success Center, Morehead Hall, Room 305, telephone (973) 655-4476.

General Education Requirement

Appendix of Courses

The following courses fulfill the General Education Requirement for full time freshmen and part-time students who began their studies at Montclair State in Summer/Fall, 1983 or thereafter, and transfer students entering Montclair State in Fall 1985. Refer to the Legend of Departments/Subject Areas and Undergraduate Course Number Codes at the end of this section in order to determine which department offers the course.

GENERAL EDUCATION REQUIREMENT COURSES

COMMUNICATION

Writing

English

ENGL 105 Freshman Composition

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I**

Reading

English

ENGL 106 Introduction to Literature

Honors Program

HONP 101 Honors Seminar in Great Books and Ideas, Part II**

Reading and Educational Media

READ 105 Reading: Communication Through Text

Speaking/Listening

Communication Sciences and Disorders

CS&D 101 Fundamentals of Speech: Communication Requirement

Speech Communication

SPCM 101 Fundamentals of Speech: Communication Requirement

CONTEMPORARY ISSUES

Anthropology

ANTH 110 Anthropology of Multicultural America*†

ANTH 201 Contemporary Practical Anthropology

ANTH 230 Anthropology of Conflict and Violence

ANTH 240 Human Variation*

Classics and General Humanities

GNHU 176 Italians and Italian-Americans: Comparative Studies

Curriculum and Teaching

INDS 249 Alternate Energy

ISED 101 Technology and Culture: Past, Present and Future

Earth and Environmental Studies

ENVR 109 The Human Environment

GEOS 221 Conservation of National Resources

Educational Foundations

EDFD 264 Sexism in American Education*

EDFD 477 Ethnic/Racial Groups and the Schools in America

English

ENGL 275 Vietnam War and American Culture

Health Professions, Physical Education, Recreation, and Leisure Studies

HLTH 210 Consumer Health

HLTH 213 Perspectives on Drugs

PEMJ 227 Social Problems in Sports

PERL 208 Leisure and Recreation in Society

Honors Program

HONP 102 Honors Seminar in Twentieth Century Civilization, Part I**

Human Ecology

HECO 205 Women in Contemporary Society*

HECO 344 Challenge of Aging

HEDN 260 Housing and Society

HEFM 445 The Inner City Family*†

HEMG 270 Individual Management: Theories and Strategies

HENU 153 Food and People

Legal Studies

LSLW 220 Conflict and Its Resolution*

Linguistics

LNGN 250 Language of Propaganda

Management

MGMT 363 Business and Society

Mathematical Sciences

PHED 101 Technology and Culture: Past, Present, and Future

Philosophy and Religion

RELG 225 Religion and Social Change

Psychology

PCOM 245 Introduction to Community Psychology

PSYC 102 Women's Worlds*

PSYC 109 The Human Environment

PSYC 231 Psychology of Aggression*

Reading and Educational Media

MEDI 355 Media in Intercultural Communication*†

Sociology

SOCI 113 Social Problems

SOCI 202 Racial and Ethnic Relations*†

SOCI 209 Sociology of Poverty and Welfare

SOCI 211 Sociology of Health and Illness

SOCI 212 Sociology of Technology

SOCI 216 Sociology of Food and Population

SOCI 218 Sociology of Population

SOCI 230 Sociology of Conflict and Violence

Spanish/Italian

ITAL 281 Contemporary Italian Cultural Studies

Women's Studies

WMST 102 Women's Worlds*

FINE AND PERFORMING ARTS: ART APPRECIATION

Classics and General Humanities

GNHU 208 Introduction to the Film

GNHU 288 Music and Art in French Civilization

English

ENFL 208 Introduction to the Film

Fine Arts

ARAN 190 Introduction to the Visual Arts

ARFI 281 Global Textiles

ARFM 280 Film as Art: Historical and Contemporary

ARGS 280 Art Forum

ARHS 105 Art in Western Civilization: Ancient and Medieval

ARHS 106 Art in Western Civilization: Renaissance to Modern

ARHS 108 Women in Art

ARHS 215 Ancient Art

ARHS 217 Selected Masterpieces of World Art

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

- ARHS 230 History of the Print
 ARHS 275 Afro-American Art*
 ARHS 276 History of Textiles: Focus on the Americas
 ARHS 327 History of Oriental Art
 ARHS 328 Survey of Greek Art
 ARHS 450 Modern Architecture

Honors Program

- HONP 201 Honors Seminar in the Foundations of the Creative Process**

Music

- MUGN 100 Introduction to Music
 MUGN 160 Introduction to Music in World Cultures
 MUGN 209 Introduction to Jazz*
 MUGN 236 The American Musical
 MUGN 237 Appreciation of the Opera
 MUGN 238 Orchestral Literature
 MUGN 240 Music of the Romantic Period

Theatre and Dance

- DNCE 105 Dance Appreciation
 DNCE 315 Dance History: Primitive to 1850
 DNCE 316 Dance History: 1850 to Present
 THTR 100 Introduction to the Theatrical Medium
 THTR 265 The Contemporary Theatre of Cultural Diversity*
 THTR 280 The Power of Masks*

FOREIGN LANGUAGE

Classics and General Humanities

- GREK 101 Beginning Greek I
 GREK 112 Beginning Greek II
 GREK 121 Intermediate Greek I
 GREK 132 Intermediate Greek II
 LATN 101 Beginning Latin I
 LATN 112 Beginning Latin II
 LATN 121 Intermediate Latin I
 LATN 132 Intermediate Latin II
 LATN 201 Latin Literature of the Republic
 LATN 202 Latin Literature of the Golden Age
 LATN 203 Latin Literature of the Silver Age

French, German, and Russian

- FREN 101 Beginning French I
 FREN 112 Beginning French II
 FREN 121 Intermediate French I
 FREN 132 Intermediate French II
 FREN 145 Introduction to French Culture
 FREN 146 Readings in French Literature
 GERM 101 Beginning German I
 GERM 103 Beginning German I (Reading)
 GERM 112 Beginning German II
 GERM 114 Beginning German II (Reading)
 GERM 121 Intermediate German I
 GERM 123 Intermediate German I (Reading)
 GERM 132 Intermediate German II
 GERM 134 Intermediate German II (Reading)
 GERM 151 Advanced German I
 GERM 152 Advanced German II
 GERM 251 Introduction to German Literature I
 GERM 252 Introduction to German Literature II
 GERM 351 German Civilization I
 GERM 352 German Civilization II
 RUSS 101 Beginning Russian I
 RUSS 112 Beginning Russian II
 RUSS 121 Intermediate Russian I
 RUSS 132 Intermediate Russian II

- RUSS 141 Advanced Russian I
 RUSS 152 Advanced Russian II

Linguistics

- CHIN 101 Beginning Chinese I
 CHIN 112 Beginning Chinese II
 CHIN 121 Intermediate Chinese I
 CHIN 132 Intermediate Chinese II
 LNGN 220 Structure of American English

Spanish/Italian

- ITAL 101 Italian I
 ITAL 102 Italian II
 ITAL 103 Italian III
 ITAL 104 Italian IV
 ITAL 241 Studies in Italian Literature: 18th through 20th Centuries
 ITAL 340 Studies in Italian Literature: Origins to 18th Century
 ITAL 360 Italian Cultural History
 PORT 101 Portuguese I
 PORT 102 Portuguese II
 PORT 103 Portuguese III
 PORT 104 Portuguese IV
 PORT 160 Masterpieces of Portuguese Literature
 PORT 162 Masterpieces of Brazilian Literature
 PORT 260 Luso-Brazilian Culture
 SPAN 101 Spanish I
 SPAN 102 Spanish II
 SPAN 103 Spanish III
 SPAN 104 Spanish IV
 SPAN 120 Comprehensive Spanish I and II
 SPAN 135 Spanish for Native Speakers
 SPAN 140 Comprehensive Spanish III and IV
 SPAN 145 Readings in Hispanic Literature
 SPAN 280 Cuban Cultural History*
 SPAN 361 Masterpieces of Spanish Literature I
 SPAN 362 Masterpieces of Spanish Literature II
 SPAN 363 Masterpieces of Spanish-American Literature I
 SPAN 364 Masterpieces of Spanish-American Literature II
 SPAN 374 Spanish Cultural History
 SPAN 376 Spanish-American Cultural History*

HUMANITIES

World Literature or General Humanities

Classics and General Humanities

- GNHU 115 Troy and the Trojan War
 GNHU 201 General Humanities I (to 1400)
 GNHU 202 General Humanities II (from 1400)
 GNHU 211 Classicism and American Culture
 GNHU 285 Mythology

English

- ENLT 176 World Literature: The Coming of Age Theme
 ENLT 177 World Literature: Voices of Tradition and Challenge

Fine Arts

- ARHS 250 Modern Philosophies of Art

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

Philosophy/Religion

Educational Foundations

EDFD 220 Philosophical Orientation to Education

Philosophy and Religion

PHIL 100 Introduction to Philosophy
PHIL 106 Logic
PHIL 210 Ethics
PHIL 212 Social and Political Philosophy
RELG 100 Religions of the World
RELG 101 Introduction to Religion
RELG 103 Religion and Moral Issues
RELG 107 Death and Dying: Religious Perspectives
RELG 221 Religion and Culture

MATHEMATICS

Computer Science

Computer Science

CMPT 107 Computers and Society
CMPT 108 Computers and Programming
CMPT 109 Introduction to Computer Applications
CMPT 112 Honors Seminar in Computing**
CMPT 183 Foundations of Computer Science I (1)

Honors Program

HONP 112 Honors Seminar in Computing**

Mathematics

Honors Program

HONP 104 Honors Seminar in Fractals and Infinity**

Mathematical Sciences

MATH 103 The Development of Mathematics
MATH 104 Fractals and Infinity
MATH 106 Contemporary Applied Math for Everyone
MATH 109 Statistics
MATH 116 Calculus A (1)
MATH 122 Calculus I (1)
MATH 221 Calculus II (1)

NATURAL/PHYSICAL SCIENCE

Laboratory or Non-Laboratory Science

Biology and Molecular Biology

BIOL 100 Biological Sciences
BIOL 103 Basic Biology I
BIOL 104 Basic Biology II
BIOL 110 The Biology of Human Life

Chemistry and Biochemistry

CHEM 100 Introductory Chemistry
CHEM 120 General Chemistry I (1)

Earth and Environmental Studies

GEOS 107 Planet Earth
GEOS 112 Physical Geology
GEOS 114 Historical Geology
GEOS 125 Earth and the Environment

Honors Program

HONP 210 Honors Seminar in Science I**

Mathematical Sciences

PHYS 100 Concepts in Science
PHYS 105 Science of Sound
PHYS 191 University Physics I (1)
PHYS 192 University Physics II (1)
PHYS 193 College Physics I (1)
PHYS 194 College Physics II (1)

Laboratory Science Only

Biology and Molecular Biology

BIOL 121 The Plant Kingdom (1)

Non-Laboratory Science Only

Anthropology

ANTH 101 Physical Anthropology

Biology and Molecular Biology

BIOL 107 Biology for Survival
BIOL 109 Introductory Ecology: The Living World
BIOL 215 Human Heredity

Chemistry and Biochemistry

CHEM 102 Our Material World

Earth and Environmental Studies

EUGS 100 Principles of Geography
GEOS 108 Principles of Geology
GEOS 110 Natural Disasters
GEOS 157 Understanding the Weather
GEOS 162 General Oceanography

Health Professions, Physical Education, Recreation, and Leisure Studies

HLTH 240 Foundations of Environmental Health

Honors Program

HONP 211 Honors Seminar in Science II**

Human Ecology

HENU 182 Nutrition

Mathematical Sciences

PHYS 104 History of Science
PHYS 106 Science and Society
PHYS 180 Descriptive Astronomy

PHYSICAL EDUCATION

Health Professions, Physical Education, Recreation, and Leisure Studies

PEGN 200 Beginning Swimming
PEGN 201 Springboard Diving
PEGN 202 Badminton
PEGN 203 Golf
PEGN 240 Platform Tennis
PEGN 242 Racquetball
PEGN 250 Intermediate Swimming
PEGN 251 Aerobic Activities
PEGN 252 Archery
PEGN 253 Gymnastics
PEGN 257 Weight Training and Conditioning
PEGN 258 Beginning Tennis
PEGN 260 Beginning Riding
PEGN 261 Fencing
PEGN 262 Volleyball
PEGN 263 Jogging
PEGN 264 Soccer
PEGN 265 Figure Skating
PEGN 266 Skiing
PEGN 267 Advanced Swimming
PEGN 268 Bicycling
PEGN 270 Folk and Square Dance

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

- PEGN 271 Social Dance
 PEGN 272 Bowling
 PEGN 274 Scuba Diving
 PEGN 275 Beginning Karate
 PEGN 278 Yoga
 PEGN 279 Climbing and Rappelling

SOCIAL SCIENCE

American/European History

Classics and General Humanities

- GNHU 281 Greek Civilization
 GNHU 282 Roman Civilization

Curriculum and Teaching

- INDS 248 Historical Perspectives of American Industries-
 Field Study

History

- HIST 101 Connections: Years That Made History
 HIST 103 Foundations of Western Civilization
 HIST 105 Emergence of European Civilization 1500-1914
 HIST 106 Contemporary Europe, 1914-Present
 HIST 110 Introduction to American Civilization
 HIST 111 Contemporary American Issues in Historical
 Perspective
 HIST 117 History of the United States To 1876
 HIST 118 History of the United States Since 1876
 HIST 281 Greek Civilization
 HIST 282 Roman Civilization

Non-Western Cultural Perspectives

Anthropology

- ANTH 115 Cultures of the Middle East*
 ANTH 120 Native North Americans*
 ANTH 130 Cultures of Southeast Asia*
 ANTH 140 Nonwestern Contributions to the Western World*
 ANTH 150 Native Latin Americans*
 ANTH 170 Peoples of Africa*
 ANTH 312 Peasant Culture
 ANTH 431 Development of Indian Character and Culture
 ANTH 432 Development of Japanese Character and Culture

Classics and General Humanities

- GNHU 289 Francophone Film
 GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies

- EUGS 412 Geography of the Sub-Sahara Africa
 EUGS 413 Geography of the Middle East

Economics and Finance

- ECON 303 Economic Growth and Development

Fine Arts

- ARHS 220 Art in Non-Western Societies*

French, German, and Russian

- FREN 289 Francophone Film
 FRIN 289 Francophone Film
 GRIN 293 Russian Culture and Civilization

History

- HIST 108 Introduction to African Civilization*
 HIST 109 Introduction to Islamic Civilization
 HIST 114 Early Latin American Civilization*
 HIST 131 Introduction to Indian Civilization*
 HIST 132 Introduction to Chinese Civilization*
 HIST 223 Communist Revolution in China
 HIST 431 Development of Indian Character and Culture
 HIST 432 Development of Japanese Character and Culture

Latin American and Latino Studies

- LALS 205 Image and Identity: Representation of Latin American
 Women in Film and Fiction*

Philosophy and Religion

- RELG 210 Native American Religions*

Political Science

- POLS 204 Government and Politics of Africa*
 POLS 206 Government and Politics of China and Japan*

Sociology

- SOCI 220 Sociology of Rich and Poor Nations

Survey Courses

Anthropology

- ANTH 100 Cultural Anthropology*
 ANTH 102 Anthropological Linguistics
 ANTH 103 Prehistoric Archaeology

Earth and Environmental Studies

- EUGS 101 Human Geography

Economics and Finance

- ECON 100 Introduction to Economics
 ECON 101 Principles of Economics: Macro
 ECON 102 Principles of Economics: Micro

Honors Program

- HONP 202 Honors Seminar on Social Analysis**

Legal Studies

- LSLW 200 Introduction to Law

Linguistics

- LNGN 210 Introduction to General Linguistics

Political Science

- POLS 201 Comparative Politics

Psychology

- PSYC 101 General Psychology I: Growth and Development
 PSYC 246 Psychology of the Black Experience*†

Sociology

- SOCI 100 The Sociological Perspective

Topic Courses

Anthropology

- ANTH 202 Cultural Change and Modernization
 ANTH 210 Urban Anthropology*†
 ANTH 220 American Folk Culture

Classics and General Humanities

- GNHU 181 Introduction to Classical Archaeology

Earth and Environmental Studies

- EUGS 102 World Geography
 EUGS 206 Introduction to American Urban Studies*
 EUGS 308 Land and Life in Latin America*
 EUGS 313 Urban Geography*†

Economics and Finance

- ECON 215 The Economics of Social Problems*†
 ECON 403 Comparative Economic Systems

Educational Foundations

- EDFD 440 Sociological Foundations of Education

Honors Program

- HONP 103 Honors Seminar in Twentieth Century Civilization,
 Part II**

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher
 certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

Human Ecology

- HEFM 140 Family in Society
HEMG 231 The Family in the Economic System

Information and Decision Sciences

- BSED 101 Contemporary Business

Linguistics

- LNGN 230 Language in Society
LNGN 245 Language and Culture
LNGN 255 Language and Gender*

Political Science

- POLS 100 Introduction to Politics
POLS 101 American Government and Politics

Psychology

- PSYC 105 The Psychological Study of Social Issues
PSYC 200 Educational Psychology
PSYC 201 Child Psychology
PSYC 202 Adolescent Psychology
PSYC 225 Psychology of Adjustment
PSYC 265 Psychology of Women*

Sociology

- SOCI 101 Criminology
SOCI 204 Sociology of the Family
SOCI 207 Social Structure of American Society

ELECTIVES

The following may be used to satisfy the General Education Elective Requirement:

1. GER approved courses (other than Physical Education)
2. General introductory courses at the 100-level or 200-level in any department within the College of Humanities and Social Sciences, College of Science and Mathematics and School of the Arts.
3. Courses in the areas of Creative Expression and/or Personal/Professional Issues.

Note: General Education Electives must be taken outside the student's major.

Creative Expression

Fine Arts

- ARAN 191 Visual Arts Studio
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I
ARCE 210 Ceramics: Pottery and Sculpture, Beginning II
ARDW 200 Drawing, Beginning I
ARDW 201 Life Drawing, Beginning I
ARDW 210 Drawing, Beginning II
ARDW 211 Life Drawing, Beginning II
ARFI 200 Fibers and Fabrics, Beginning I
ARFI 201 Textile Design, Introduction
ARFI 210 Fibers and Fabrics, Beginning II
ARFI 222 Surface Design, Introduction A
ARFI 223 Leather, Introduction A
ARFI 232 Surface Design, Introduction B
ARFI 233 Leather, Introduction B
ARFM 200 Film Making, Beginning I
ARFM 210 Film Making, Beginning II
ARFV 220 Video with Computer Multi-Media, Introduction A
ARGS 261 Multi-Media, Beginning
ARGS 361 Multi-Media, Advanced
ARIL 261 Humor/Satirical Illustration for Publication
ARPA 200 Painting, Beginning I
ARPA 210 Painting, Beginning II
ARPA 260 Figurative Painting
ARPG 360 Intermediate Papermaking
ARPH 200 Photography Beginning I: Contemporary Art Form

- ARPH 300 Photography Intermediate: Contemporary Art Form
ARPM 200 Printmaking, Beginning I
ARPM 260 Etching and Relief Printing
ARPM 261 Lithography
ARSC 200 Sculpture, Beginning I
ARSC 210 Sculpture, Beginning II
ARSC 220 Sculpture: Fabrication, Introduction A
ARSC 221 Sculpture: Clay, Introduction A
ARSC 222 Sculpture: Metal Casting, Introduction A
ARSC 223 Sculpture: Welding/Brazing, Introduction A
ARSC 224 Sculpture: Carving, Introduction A
ARSC 226 Sculpture: Modeling/Casting, Introduction A
ARSC 230 Sculpture: Fabrication, Introduction B
ARSC 231 Sculpture: Clay, Introduction B
ARSC 232 Sculpture: Metal Casting, Introduction B
ARSC 233 Sculpture: Welding/Brazing, Introduction B
ARSC 234 Sculpture: Carving, Introduction B
ARSC 236 Sculpture: Modeling/Casting, Introduction B

Music

- MUCP 150 Fundamentals of Music for the Non-Major
MUGN 250 Rap and Rock as Cultural Phenomena
MUPR 100 Class Piano for the Non-Music Major
MUPR 103 Voice Class for the Non-Music Major
MUPR 105 Modern Guitar Workshop

Speech Communication

- SPCM 260 Oral Interpretation of Literature

Theatre and Dance

- DNCE 141 Dance Technique: Modern I
DNCE 351 Dance Technique: Ballet I
THTR 105 Acting I - Non B.F.A.
THTR 363 Reader's Theatre

Personal/Professional Issues

- Counseling, Human Development and Educational Leadership*
COUN 330 Dynamics of One-to-One Communication
COUN 331 Group Dynamics
COUN 432 Personal Values
COUN 482 Career Consciousness

Fine Arts

- ARTH 280 Introduction to Art Therapy
ARTH 361 Group Art Therapy

Health Professions, Physical Education, Recreation, and Leisure Studies

- HLTH 101 Personal Health Issues
HLTH 220 Mental Health
HLTH 290 Human Sexuality

Human Ecology

- HECO 141 Interpersonal Relations
HEFM 320 Parenting Skills and Resources
HETX 122 Clothing and Culture: A Multidisciplinary Study

Information and Decision Sciences

- BSED 309 Personal Finance

Psychology

- PSYC 103 Freshman Seminar

Sociology

- SOCI 206 Individual and Society

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.



LEGEND OF ALPHA COURSE CODES

College of Education and Human Services

<i>Counseling, Human Development and Educational Leadership</i>	
Counseling, Human Development and Educational Leadership	COUN
<i>Curriculum and Teaching</i>	
Curriculum and Teaching	CURR
Industrial Studies	ISED
Industrial Studies/Coop Education	ISCP
Industrial Studies/Technology Education	INDS
Industrial Studies/Vocational	ISVC
<i>Educational Foundations</i>	
Educational Foundations	EDFD
Educational Research	ELRS
<i>Human Ecology</i>	
Home Economics	HECO
Home Economics/Design	HEDN
Home Economics/Education	HEED
Home Economics/Family	HEFM
Home Economics/Foods	HEFD
Home Economics/Management	HEMG
Home Economics/Nutrition	HENU
Home Economics/Textile	HETX
<i>Health Professions, Physical Education, Recreation, & Leisure Studies</i>	
Health Professions	HLTH
Physical Education/Major	PEMJ
Physical Education/Non-major	PEGN
Recreation	PERL
<i>Reading and Educational Media</i>	
Educational Media	MEDI
Reading	READ

College of Humanities and Social Sciences

<i>Anthropology</i>	
Anthropology	ANTH
Anthropology/Practical	PRAN
<i>Classics and General Humanities</i>	
General Humanities	GNHU
Classics/Greek	GREK
Classics/Latin	LATN
<i>Communication Sciences and Disorders</i>	
Communication Sciences and Disorders	CS&D
<i>English</i>	
English	ENGL
English/Film	ENFL
English/Grammar	ENGM
English/Interdisciplinary	ENID
English/Literature	ENLT
English/Writing	ENWR
<i>French, German, and Russian</i>	
French	FREN
French/Interdisciplinary	FRIN

German	GERM
German/Interdisciplinary	GRIN
Russian	RUSS

History

History	HIST
Social Science	SOSC

Justice Studies

Justice Studies	JUST
-----------------------	------

Legal Studies

Legal Studies/Law	LSLW
Legal Studies/Paralegal	LSPA
Legal Studies/Paralegal	LSPR

Linguistics

Linguistics	LNGN
Linguistics/Chinese	CHIN
Linguistics/ESOL	ESOL

Philosophy and Religion

Philosophy	PHIL
Religion	RELG

Political Science

Political Science	POLS
-------------------------	------

Psychology

Psychology	PSYC
Psychology/Community	PCOM

Sociology

Sociology	SOCI
-----------------	------

Spanish/Italian

Spanish	SPAN
Spanish/Italian Interdisciplinary	SPIN
Italian	ITAL
Portuguese	PORT

Women's Studies

Women's Studies	WMST
-----------------------	------

College of Science and Mathematics

Biology and Molecular Biology

Biology	BIOL
Biology/Cell Culture	BICL
Biology/Marine Sciences	BIMS
Biology/Toxicology	TOXI

Chemistry and Biochemistry

Chemistry	CHEM
-----------------	------

Computer Science

Computer Science	CMPT
------------------------	------

Earth and Environmental Studies

Environmental Studies	ENVR
Urban and Geographic Studies	EUGS
Geography/Latin American	GELA
Geoscience	GEOS
Physics/Geoscience - Marine Science	PHMS

Mathematical Sciences

Mathematics	MATH
Physics/Geoscience	PHYS
Physics/Geoscience Education	PHED

New Jersey School of Conservation

Conservation/Field Studies	CNFS
----------------------------------	------

School of the Arts

Broadcasting

Speech and Theatre/Broadcasting	BDCS
---------------------------------------	------

Fine Arts

Fine Arts/Art Non-majors	ARAN
Fine Arts/Ceramics	ARCE
Fine Arts/Drawing	ARDW
Fine Arts/Art Education	ARED
Fine Arts/Art and the Environment	AREV
Fine Arts/Foundations	ARFD
Fine Arts/Fibers	ARFI
Fine Arts/Film Making	ARFM
Fine Arts/Video	ARFV
Fine Arts/Graphic Design	ARGD
Fine Arts/General Studies	ARGS
Fine Arts/Museum Studies	ARHM
Fine Arts/Art History	ARHS
Fine Arts/Illustration	ARIL
Fine Arts/Metalwork and Jewelry	ARMJ
Fine Arts/Painting	ARPA
Fine Arts/Performance Art	ARPF
Fine Arts/Papermaking	ARPG
Fine Arts/Photography	ARPH
Fine Arts/Printmaking	ARPM
Fine Arts/Sculpture	ARSC
Fine Arts/Art Studio	ARST
Fine Arts/Art Therapy	ARTH

Music

Music/Education	MUED
Music/General	MUGN
Music/History	MUHS
Music/Major Instrument	MMIN
Music/Performance	MUPR
Music/Primary Instrument	MPIN
Music/Secondary Instrument	MSSN
Music/Technology	MUTC
Music/Theory/Composition	MUCP
Music/Therapy	MUTH

Speech Communication

Speech and Theatre/Communication	STSP
--	------

Theatre and Dance

Speech and Theatre/Dance	STDN
Speech and Theatre/Theatre	STTH

School of Business

Accounting, Law, and Taxation

Accounting	ACCT
Business Law	BSLW

Economics and Finance

Economics	ECON
Finance	FINC

Information and Decision Sciences

Business Education	BSED
Business Education and Office Systems Administration	BEOS
Finance/Quantitative	FINQ
Information and Decision Sciences	INFO

Management

Management	MGMT
------------------	------

Marketing

Marketing	MKTG
Marketing/Business	MKAD
Retail Merchandising and Management	DIST

Special Programs

Cooperative Education	COED
Honors Program	HONP
International Studies	INTL
Latin American and Latino Studies	LALS
Women's Studies	WMST



ACADEMIC PROGRAMS BY DEPARTMENTS

ACCOUNTING, LAW AND TAXATION

SCHOOL OF BUSINESS

Chairperson: Frank J. Aquilino

Increased government regulation and business expansion demand added expertise of today's accountant. The department's accounting program at the undergraduate and graduate level prepares students for careers in public and private accounting.

The Certified Public Accountant (CPA) is concerned with public accounting. CPA's render a variety of services for their clients: conducting independent audits and providing accounting, tax, and management advisory services.

In the private sector, graduates are prepared primarily for industrial accounting leadership positions. The program emphasizes the structure, design, and analysis of accounting systems in the financial reporting and management decision processes.

The accounting courses integrate the study of theory and current practice with research and computer applications.

A Bachelor of Science degree is offered in Business Administration with a concentration in Accounting.

Business Administration Major

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	4
FINC 321 Fundamentals of Finance	3
MKTG 340 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

MATH 113 Mathematics for Business I	3
MATH 114 Mathematics for Business II	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

Concentration in Accounting

Required Courses

	Semester Hours
ACCT 301 Intermediate Accounting I	3
ACCT 302 Intermediate Accounting II	3
ACCT 304 Contemporary Issues in Intermediate Accounting	3
ACCT 305 Individual and Business Taxes	3
ACCT 306 Internal Auditing	3
ACCT 307 Cost Management and Managerial Accounting I	3
ACCT 308 Cost Management and Managerial Accounting II	3
ACCT 401 Advanced Accounting	3
FINC 322 Capital Budgeting	3
FINC 425 Working Capital Management	3

Note: In order to sit for the CPA examination in The State of New Jersey a candidate must have earned a minimum of 150 credit hours. The BS in Business Administration, concentration in Accounting, is designed to allow students to pursue careers in accounting, but is not sufficient to satisfy the 150 hour requirement. Montclair State's M.B.A. program with a concentration in Accounting more than meets the 150 credit hour requirement. Course offerings at the graduate level are designed to provide students with the discipline specific knowledge and technical information that appears on the CPA examination. Students completing the undergraduate program must apply and meet the minimum entry requirements for the M.B.A. Program.

Courses of Instruction

ACCT 201
FUNDAMENTALS OF ACCOUNTING I 3.0
An introductory course emphasizing the user approach to financial accounting. Students acquire an understanding of accounting terminology, the theoretical foundation of financial accounting and a basic understanding of the composition and significance of various financial statements, with particular emphasis on current and non-current assets, current liabilities, and stockholders' equity. The course should enable students to critically analyze accounting information from an investor or creditor perspective.

ACCT 202
FUNDAMENTALS OF ACCOUNTING II 3.0
Completes the introduction to financial accounting by analyzing cash flows and financial statements. Introduces basic concepts of management accounting including cost classifications, product costing, cost-volume-profit analysis, operating and capital budgeting. The course will illustrate the use of accounting information for external reporting as well as internal decision making purposes.
Prerequisite: ACCT 201.

ACCT 301
INTERMEDIATE ACCOUNTING I 3.0
This course is for business majors only. The course builds on material presented in Fundamentals of Accounting I and II. Students acquire an improved understanding of the composition and significance of various segments of the income statement and balance sheet, particularly current assets and current liabilities leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate accounting.
Prerequisite: ACCT 202, Business Administration majors only.

ACCT 302
INTERMEDIATE ACCOUNTING II 3.0
A continuation of Intermediate Accounting I. Students acquire an improved understanding of the composition and significance of various segments of the balance sheet, particularly non-current assets, non-current liabilities and owners' equity leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate accounting.
Prerequisite: ACCT 301.

ACCT 304**CONTEMPORARY ISSUES IN INTERMEDIATE ACCOUNTING 3.0**

In-depth discussion of traditional intermediate financial accounting topics as well as recent developments in accounting valuation and reporting practices. Course builds on topics discussed in Intermediate Accounting I and II leading to an improved understanding of the preparation of various aspects of the financial statement as well as an enhancement of their ability to critically evaluate accounting.

Prerequisite: ACCT 302. With departmental approval, ACCT 302 may be taken concurrently.

ACCT 305**INDIVIDUAL AND BUSINESS TAXES****3.0**

The purpose of this course is to introduce students to a broad range of tax concepts and types of taxpayers to emphasize the role of taxation in the business decision-making process. Coverage includes on a broad basis, personal, corporate and partnership taxation.

Prerequisite: ACCT 202.

ACCT 306**INTERNAL AUDITING****3.0**

This course reviews the internal auditing process. Emphasis is placed on the operational auditing as part of the internal auditing function, while interrelating the financial dimension into the total auditing process.

Prerequisite: ACCT 301 and 307.

ACCT 307**COST MANAGEMENT AND MANAGERIAL ACCOUNTING I 3.0**

This course examines the development of theory, concepts and practices of providing information for use within the organization. Cost concepts and classification schemes, the use of accounting information for internal decision making, static and flexible budgeting for managerial control and product costing techniques are among the topics presented.

Prerequisite: ACCT 202.

ACCT 308**COST MANAGEMENT AND MANAGERIAL ACCOUNTING II 3.0**

Continues the development of theory, concepts and practices of providing information for use within the organization. Introduces quantitative models and techniques with emphasis on the measurement variable and parameters. Additional topics include allocation theory, divisional performance evaluation and transfer pricing.

Prerequisite: ACCT 307.

ACCT 401**ADVANCED ACCOUNTING****3.0**

Advanced Accounting, an upper level undergraduate course, focuses on specialized topics such as accounting for combinations of business enterprises using purchase or pooling of interests, and consolidations. Foreign exchange and the role of the SEC is also covered briefly. Fund accounting is introduced for state and local governmental units as well as for nongovernment and nonbusiness organizations.

Prerequisite: ACCT 304. With departmental approval, ACCT 304 may be taken concurrently.

BSLW 264**LEGAL, ETHICAL AND GLOBAL ENVIRONMENT OF BUSINESS 3.0**

This course focuses on the interrelationship of social policies, the legal system, and global business practices in society, with emphasis on the rapidly changing business-legal environment. The relationships among governmental, ethical, social, and business issues will also be examined.

ANTHROPOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Kenneth Brook

All peoples and all aspects of human life are the subject of anthropology. The discipline stresses the study of nonwestern cultures, provides insights from these studies towards understanding the world we live in; and encourages responsibility by applying the results to problems in our rapidly changing world. The five basic fields are represented in the department: cultural anthropology, archaeology, physical anthropology, anthropological linguistics and applied anthropology. Two programs are offered: a bachelor of arts general anthropology major and a unique five-year combined undergraduate and graduate program in practical anthropology that leads to the master of arts degree. Both programs address diverse interests and career objectives.

ANTHROPOLOGY MAJOR

The general anthropology major, for which a B.A. degree is awarded, prepares students for advanced work that can lead to college teaching, museum curating work, and/or research, as well as careers in non-academic settings. For students interested in a strong liberal arts background, the general major is an excellent program which can be adapted to varied professional and career goals. An internship provides opportunities for students to test their knowledge in actual work settings. Additionally, the program can be adapted to meet certification requirements for teaching social studies in New Jersey secondary schools.

Semester Hours

Required Courses 21

ANTH 100	Cultural Anthropology	3
ANTH 101	Physical Anthropology	3
ANTH 102	Anthropological Linguistics	3
ANTH 103	Prehistoric Archaeology	3
ANTH 201	Contemporary Practical Anthropology	3
ANTH 300	Methods in Anthropological Research and Practice	3
ANTH 401	Seminar in Anthropological Theory	3

Area Electives 9

ANTH 110	Anthropology of Multicultural America	3
ANTH 115	Cultures of the Middle East	3
ANTH 120	Native North Americans	3
ANTH 130	Cultures of Southeast Asia	3
ANTH 140	Nonwestern Contributions to the Western World	3
ANTH 150	Native Latin Americans	3
ANTH 170	Peoples of Africa	3
ANTH 220	American Folk Culture	3
ANTH 270	Archaeology of Ancient Middle America	3

Topical Electives 9

ANTH 210	Urban Anthropology	3
ANTH 230	Anthropology of Conflict and Violence	3
ANTH 240	Human Variation	3
ANTH 330	Anthropology of Food and Nutrition	3
ANTH 350	Anthropology of Aging and the Aged	3
ANTH 360	Cultural Ecology	3
ANTH 370	Experimental Archaeology	3
ANTH 380	Anthropology of Women	3
ANTH 405	Psychological Anthropology	3
ANTH 414	Selected Issues in Anthropology	3
ANTH 425	Anthropology of Religion	3
ANTH 430	Field Methods: Linguistics	3
ANTH 440	Medical Anthropology	3
ANTH 460	Field Methods: Visual Anthropology	3
ANTH 470	Archaeological Field Methods	3-6
ANTH 480	Independent Research in Anthropology	3

Internship 3-6

The internship is over and beyond the minimum 39 semester hours required by the major.

ANTH 490	Internship in Anthropology	3-6
----------	----------------------------	-----

TEACHER CERTIFICATION

(Social Studies)

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. They should consult the faculty advisor for the social studies certificate.

ANTHROPOLOGY MINOR

Semester Hours

Required Course 3

ANTH 100	Cultural Anthropology	3
----------	-----------------------	---

Electives 15

(to be selected from Groups, 1, 2, and 3; at least one course from each group)

Group 1

ANTH 101	Physical Anthropology	3
ANTH 102	Anthropological Linguistics	3
ANTH 103	Prehistoric Archaeology	3

Group 2

ANTH 110	Anthropology of Multicultural America	3
ANTH 115	Cultures of the Middle East	3
ANTH 120	Native North Americans	3
ANTH 130	Cultures of Southeast Asia	3
ANTH 140	Nonwestern Contributions to the Western World	3
ANTH 150	Native Latin Americans	3
ANTH 170	Peoples of Africa	3
ANTH 220	American Folk Culture	3
ANTH 270	Archaeology of Ancient Middle America	3

Group 3

ANTH 201	Contemporary Practical Anthropology	3
ANTH 210	Urban Anthropology	3
ANTH 230	Anthropology of Conflict and Violence	3
ANTH 240	Human Variation	3
ANTH 300	Methods in Anthropological Research and Practice	3
ANTH 330	Anthropology of Food and Nutrition	3
ANTH 350	Anthropology of Aging and the Aged	3
ANTH 360	Cultural Ecology	3
ANTH 370	Experimental Archaeology	3
ANTH 380	Anthropology of Women	3
ANTH 401	Seminar in Anthropological Theory	3
ANTH 405	Psychological Anthropology	3
ANTH 425	Anthropology of Religion	3
ANTH 430	Field Methods in Linguistics	3
ANTH 440	Medical Anthropology	3
ANTH 460	Field Methods: Visual Anthropology	3
ANTH 470	Archaeological Field Methods	3

Minors may participate in ANTH 490 Internship in Anthropology, with the consent of the department and program coordinator. The internship may not count towards the 15 semester hours of electives required of the minor and is over and beyond the minimum 18 s. h. required by the minor.

FIVE-YEAR COMBINED UNDERGRADUATE AND GRADUATE PROGRAM IN PRACTICAL ANTHROPOLOGY CULMINATING WITH THE M.A. DEGREE

Director: Kenneth Brook

The five-year combined undergraduate and graduate program in practical anthropology culminating with the M.A. degree provides an integrated undergraduate and graduate education in anthropology. Its primary objective is to provide students with the knowledge, skills, and experience to pursue careers in applied anthropology. Students are instructed in the qualitative and quantitative methods used by practicing anthropologists. As senior/graduate apprentices, students participate in field experiences in regional public and private agencies. Under MSU faculty guidance and with professional super-

vision at the chosen agency, students collect information leading to the writing of a significant research paper. Simultaneously, they learn the practical skills of applying anthropology in a nonacademic setting. Growing occupational opportunities for practicing anthropologists exist in public interest organizations, market research and consumer affairs, multinational corporations, international relations, medical and mental health programs, and federal and state agencies. This is the only program of its type in the northeastern U.S.A.

Semester Hours

Required Core Courses	12
ANTH 100 Cultural Anthropology	3
ANTH 101 Physical Anthropology	3
ANTH 102 Anthropological Linguistics	3
ANTH 103 Prehistoric Archaeology	3

Required Track Courses	18
ANTH 201 Contemporary Practical Anthropology	3
ANTH 210 Urban Anthropology	3
ANTH 300 Methods in Anthropological Research and Practice	3
ANTH 401 Seminar in Anthropological Theory	3
ANTH 550 Culture Change	3
PRAN 531 Regional Studies in Practical Anthropology	3

Quantitative Methods	4
SOCI 240 Statistics for Social Research	4

Ethnology Requirement	6
ANTH 110 Anthropology of Multicultural America	3
ANTH 115 Cultures of the Middle East	3
ANTH 120 Native North Americans	3
ANTH 130 Cultures of Southeast Asia	3
ANTH 140 Nonwestern Contributions to the Western World	3
ANTH 150 Native Latin Americans	3
ANTH 170 Peoples of Africa	3

Topical Anthropology Courses	12
Undergraduate Courses	6
ANTH 220 American Folk Culture	3
ANTH 230 Conflict and Violence	3
ANTH 240 Human Variation	3
ANTH 270 Archaeology of Ancient Middle America	3
ANTH 330 Anthropology of Food and Nutrition	3
ANTH 350 Anthropology of Aging and the Aged	3
ANTH 360 Cultural Ecology	3
ANTH 370 Experimental Archaeology	3
ANTH 380 Anthropology of Women	3
ANTH 405 Psychological Anthropology	3
ANTH 414 Selected Issues in Anthropology	3
ANTH 425 Anthropology of Religion	3
ANTH 430 Field Methods in Linguistics	3
ANTH 440 Medical Anthropology	3
ANTH 460 Field Methods: Visual Anthropology	3
ANTH 470 Field Methods in Archaeology	3
ANTH 480 Independent Research in Anthropology	3

Graduate Courses	6
ANTH 510 Ethnology	3
ANTH 520 Anthropology and International Communication	3
ANTH 530 Development Anthropology	3
ANTH 538 Ethnopsychology	3
ANTH 540 Anthropology of Cities	3
ANTH 547 Woman: A Cross-Cultural Perspective	3
ANTH 560 Applied Medical Anthropology	3
ANTH 570 Prehistoric North America	3
ANTH 601 Independent Anthropological Research	3

Related Allied/Cross Disciplinary Courses	18
5 Undergraduate Courses	
1 Graduate Courses	

Apprenticeship	24
PRAN 420 Pre-Apprenticeship in Anthropology I	3
PRAN 430 Pre-apprenticeship in Anthropology II	3
PRAN 520 Apprenticeship in Anthropology	9
PRAN 620 Post-Apprenticeship in Practical Anthropology	9

Courses of Instruction

ANTH 100	3.0
CULTURAL ANTHROPOLOGY	
Analysis of transcultural data; basic methodologies, concepts and goals of anthropology; the nature of culture, its role in human experience and its universality. Meets the General Education Requirement—Social Science, Survey Course. Meets the Multicultural Awareness Requirement.	

ANTH 101	3.0
PHYSICAL ANTHROPOLOGY	
The biological basis of human evolution including surveys of human paleontology, primatology and human races. The relationship of culture to human development; lectures, field trips and the use of fossil and audio-visual materials. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science.	

ANTH 102	3.0
ANTHROPOLOGICAL LINGUISTICS	
Different linguistic systems will be analyzed through the use of informants (speakers) of non-Indo-European languages, and through published data from a variety of Amerindian and African languages. The relationship of linguistic structure and theory to cultural systems will be emphasized in individual student field experience and in readings and lectures. Cross listed with Linguistics, LNGN 102. Meets the General Education Requirement—Social Science, Survey Course.	

ANTH 103	3.0
PREHISTORIC ARCHAEOLOGY	
The development, method and theory of anthropological archaeology, analysis and interpretation of prehistoric cultural data by means of audio-visual, field and participatory involvement. Meets the General Education Requirement—Social Science, Survey Course.	

ANTH 110	3.0
ANTHROPOLOGY OF MULTICULTURAL AMERICA	
Analysis of the diversity of racial, ethnic, religious, occupational, and other subcultures and subgroups within the U.S. Emphasis on the character of American culture. Subpopulations are examined in relationship to each other and to the mainstream culture. Meets the General Education Requirement—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.	

ANTH 115	3.0
CULTURES OF THE MIDDLE EAST	
The Middle East culture area in anthropological perspective. Emphasis is placed on the nature of different interlocking cultural systems which are adaptations to environmental stresses in the Middle East. The concepts of culture and society will be explored in the context of course materials. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.	

ANTH 120	3.0
NATIVE NORTH AMERICANS	
Amerindian cultures north of Mexico; representative tribes, their world views, and their adaptations to the environment, each other and European contact. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.	

ANTH 130	3.0
CULTURES OF SOUTHEAST ASIA	
Anthropological survey of selected tribal and peasant societies of Burma, Thailand, Laos, Kampuchea (Cambodia), Vietnam, Malaysia, Indonesia, and The Philippines: recent socio-cultural changes. Meets the General Education Requirement—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.	

ANTH 140	3.0
NONWESTERN CONTRIBUTIONS TO THE WESTERN WORLD	
Survey of scientific, medical, artistic, and other contributions from cultures outside the mainstream of European, North American, and Judeo-Christian history that influence our lives in the West today. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.	

- ANTH 150**
NATIVE LATIN AMERICANS 3.0
 Study of indigenous peoples of Latin America. Surveys earliest evidence of human occupation of Middle and South America and the Caribbean; diverse origins of food production; intellectual achievements; political organization; material contributions to world culture; and aspects of early European contact and conquest. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 170**
PEOPLES OF AFRICA 3.0
 Diversity in the lifestyles of representative African cultures; prehistory, culture change, and contemporary problems in sub-Saharan Africa. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 201**
CONTEMPORARY PRACTICAL ANTHROPOLOGY 3.0
 The course emphasizes the uses of anthropology in contemporary societies by stressing the skills and knowledge needed for the development of practical solutions to current problems. Special attention is placed on: policy decision-making, community development, cultural resource management, advocacy and social impact assessment. Meets the General Education Requirement—Contemporary Issues.
- ANTH 210**
URBAN ANTHROPOLOGY 3.0
 The dynamics of acculturation; relationships between urban subcultures and the broader urban community; values, personality, behaviors and other aspects of the adjustment of people whose lifestyle sets them apart from the dominant society. Meets the General Education Requirement—Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- ANTH 220**
AMERICAN FOLK CULTURE 3.0
 This course introduces students to the anthropological literature concerning American oral (folklore) and material (folklife) folk culture. Students are exposed to the different folklore traditions as well as analytical theory concerning them, in the first half of the course. The second half is devoted to the presentation and analysis of material folk culture. Meets the General Education Requirement—Social Science, Topic Course.
- ANTH 230**
ANTHROPOLOGY OF CONFLICT AND VIOLENCE 3.0
 Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Cross listed with Sociology, SOCI 230. Meets the General Education Requirement—Contemporary Issues.
- ANTH 240**
HUMAN VARIATION 3.0
 The study of the origins, adaptations and evolution of races from a physical anthropology perspective. Misconceptions about race, intelligence and racism as well as theories and explanations of human variations will be covered. Meets the General Education Requirement—Contemporary Issues. Meets the Multicultural Awareness Requirement.
- ANTH 270**
ARCHAEOLOGY OF ANCIENT MIDDLE AMERICA 3.0
 The archaeology of ancient cultures of Middle America. Consists of two major units (1) northern Mesoamerica, the Gulf Coast, Oaxaco and Central Mexican Aztecs (2) ancient Maya of Mexico and Central America.
- ANTH 300**
METHODS IN ANTHROPOLOGICAL RESEARCH AND PRACTICE 3.0
 An overview of nonstatistical research methods commonly used in anthropology, including participant observation, interviewing, questionnaire design, cultural domain analysis, ethnographic decision tree analysis, and network analysis. Emphasis on practical experience in applying these methods to research and applied problems.
- ANTH 330**
THE ANTHROPOLOGY OF FOOD AND NUTRITION 3.0
 Cultural effects on diet, nutritional status, disease, and ecology; anthropological contributions to the study of food and food habits.
- ANTH 350**
ANTHROPOLOGY OF AGING AND THE AGED 3.0
 An analysis of the influences of cultural systems on the processes of aging. Special emphasis is placed on the behaviors and meanings attached to the stages of growing older in a variety of cultural systems.
- ANTH 360**
CULTURAL ECOLOGY 3.0
 The relationships between culture and the bio-physical environment, as well as the cultural environment. The emphasis will be on primitive and non-Western cultures.
- ANTH 370**
EXPERIMENTAL ARCHAEOLOGY 3.0
 The course will cover the manufacture, use, preservation, analysis and cataloging of prehistoric artifacts made of stone, bone, and wood.
Prerequisites: ANTH 103.
- ANTH 380**
ANTHROPOLOGY OF WOMEN 3.0
 The anthropological literature on women and women's issues in our own and pre-industrial, non-capitalist societies. The connections between environment technology and gender roles are investigated, and the kind of power women have in different societies over their own lives and those of others is assessed. The place of women in each society's symbolic system is also analyzed. Meets the Multicultural Awareness Requirement.
- ANTH 401**
SEMINAR IN ANTHROPOLOGICAL THEORY 3.0
 The development of anthropological theory during the past 100 years. Various subdisciplines of cultural and social anthropology are explored and applied to similar bodies of data.
- ANTH 425**
ANTHROPOLOGY OF RELIGION 3.0
 Patterns of religious beliefs and behaviors which relate to sacred, supernatural entities. Origin theories, divination, witchcraft, mythology and the relationship of religious movements to other aspects of culture.
- ANTH 440**
MEDICAL ANTHROPOLOGY 3.0
 Examination of cross-cultural concepts of illness, health and medical care. Ecological and historical aspects of diseases in human evolution are also studied.
Prerequisite: ANTH 101.
- ANTH 460**
FIELD METHODS: VISUAL ANTHROPOLOGY 3.0
 This course is designed to provide students with opportunities to explore potential uses of photography in anthropological research and practice. Each student is guided in the development of a project which demonstrates the significance of recording and interpreting visual data in the study of selected aspects of culture, social interaction patterns, and/or individual behavior. As the focus of this experience is on the collection and interpretation of visual data, not the technical aspects of photography, only basic skills and knowledge about effective camera usage are required.
Prerequisite: Open to non-majors with the instructor's permission.
- ANTH 470**
ARCHAEOLOGICAL FIELD METHODS 3.0-6.0
 Provides practical field experience in the various aspects of survey and excavation techniques. A specific area will be surveyed and a site will be excavated. May be repeated for credit.
Prerequisite: Departmental approval.
- ANTH 480**
INDEPENDENT RESEARCH IN ANTHROPOLOGY 3.0-6.0
 Preparation of a paper on a major theoretical issue in anthropology. A tutorial without formal class meetings.
Prerequisite: Departmental approval.

ANTH 490

INTERNSHIP IN ANTHROPOLOGY

3.0-6.0

According to interest and preparation, students are placed in cooperating agencies in order to provide an opportunity to test their acquired theoretical knowledge and to gain disciplined practice in their profession. Under faculty guidance and agency supervision, students are to engage in anthropological fieldwork by conducting research and/or special projects.

Prerequisite: Departmental approval.

PRAN 420

PRE-APPRENTICESHIP IN ANTHROPOLOGY I

3.0

Identification of an applied research problem suitable for the apprenticeship, formulation of a set of research objectives, and review of the appropriate literature.

Prerequisite: ANTH 300.

PRAN 430

PRE-APPRENTICESHIP IN ANTHROPOLOGY II

3

Building on their knowledge of applied anthropology topics, selection of a research topic, and literature review in PRAN 420, this course provides students with instruction regarding the process of research site selection and project design. Students identify potential organizations for eventual apprenticeship placement. Emphasis is placed on the systematic gathering and analysis of information about both public and private sector organizations in the greater New York/New Jersey metropolitan area. This includes initial organization visitations relative to selecting an apprenticeship setting, the identification of an applied research problem, developing an apprenticeship contract, and preliminary research project design.

Prerequisite: PRAN 420.

BIOLOGY AND MOLECULAR BIOLOGY

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Bonnie Lustigman

The student can prepare for a biology career, graduate work, or professional programs in medicine, dentistry, medical technology, physical therapy, veterinary medicine, pharmacy and other fields related to biology, by taking the major requirements with a proper selection of electives. Students can obtain certification to teach biology by completing the professional sequence. A minor in biology is also available.

Outstanding students can take advantage of the honors program and be granted an "Honors in Biology" by fulfilling the prescribed requirements. For information about the program, contact the department chairperson.

Freshman courses offered for biology majors assume that the student has taken biology, chemistry and physics and at least three years of college preparatory mathematics in high school.

Biology Major

Required Courses

	Semester Hours
BIOL 120 Plant Form and Function	4
BIOL 132 Animal Form and Function	4
BIOL 213 Introduction to Field Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
BIOL 490 Senior Seminar in Biology	2

Collateral Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Select one sequence:

MATH 109 Statistics	3
MATH 111 Applied Precalculus	4
OR	
MATH 109 Statistics	3
MATH 116 Calculus A	4
OR	
MATH 122 Calculus I	4
MATH 221 Calculus II	4

Major Electives

Select 12 semester hours from the appropriate list to be obtained from the department

Molecular Biology Major

The main objectives of our undergraduate Molecular Biology major are: to educate students in greater depth in molecular studies than would be possible in our Biology program, and to prepare students in the methodological advances which have changed the study of biology in recent years. The field of molecular biology has an impact on almost every other area of study in the biological sciences, and its development has led to expanded graduate and professional programs. The Molecular Biology curriculum will provide undergraduate students with a fundamental knowledge of the principles and practices inherent in the rapidly advancing field of molecular biology.

Students who major in Molecular Biology can also enter the burgeoning biotechnology industry, well prepared to compete in the modern scientific marketplace, as most institutions carry on basic or applied research in biomedical areas today using techniques of molecular biology. Students completing this major will be well-prepared to enter professional schools of medicine, dentistry, veterinary medicine, and optometry, as well as graduate programs.

Required Courses

	Semester Hours
BIOL 120 Plant Form and Function	4
BIOL 132 Animal Form and Function	4
BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 409 Externship in Biological Research (Cooperative Education) ..	4
BIOL 434 Introductory Molecular Biology	3
BIOL 435 Experimental Molecular Biology	3

Required Collateral Courses

	Semester Hours
CHEM 120, 121 General Chemistry I, II	4 each
CHEM 230, 231 Organic Chemistry I, II	3 each
CHEM 232 Experimental Organic Chemistry I	2
CHEM 470, 471 Biochemistry I, II	3 each
CMPT 183 Foundations of Computer Science I	3
MATH 122, 221 Calculus I, II	4 each
PHYS 191, 192 General Physics I, II	4 each
OR	
PHYS 193, 194 College Physics I, II	4 each

Electives

Select 8 - 10 semester hours from the appropriate list to be obtained from the department

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. The course requirements are otherwise similar to those of the Biology major.

Second Teaching Field in Biological Sciences

An approved program of at least 30 semester hours with 18 credits at 100-200 level and 12 credits at 300-400 level and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Biology Honors

- Biology Major
 - Overall Grade Point Average 3.50
 - Biology Grade Point Average 3.70 with no grade lower than a "B"
 - Additional Courses
 - BIOL 418 Biology Independent Study
 - BIOL 491 Research in Biology Literature
- (2 Biology faculty sponsors needed)

Biology Major with Environmental Science Concentration

Required Courses

	Semester Hours
BIOL 120 Plant Form and Function	4
BIOL 132 Animal Form and Function	4
BIOL 213 Introduction to Field Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
BIOL 490 Senior Seminar in Biology	
OR	
GEOS 490 Seminar in Geoscience	2

Collateral Chemistry Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2

Collateral Mathematics Courses

Select one sequence:

MATH 112 Precalculus Mathematics	3
MATH 116 Calculus A	4
OR	
MATH 122 Calculus I	4
MATH 221 Calculus II	4

Collateral Physics Courses

Select one sequence:

PHYS 191 General Physics I	4
PHYS 192 General Physics II	4
OR	
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Major Electives

Select 3 semester hours from the appropriate list to be obtained from the department

Environmental Science Concentration

Required Courses

	Semester Hours
BIOL 256 Applied Environmental Microbiology (major elective)	3
GEOS 112 Physical Geology	4
GEOS 450 Principles of Soil Science (major elective)	3
GEOS 452 Geohydrology	
OR	
EUGS 452 Geohydrology	3

Pick one of the following two:

GEOS 454 Environmental Geochemistry	
OR	
CHEM 320 Environmental Chemical Analysis	3

Concentration Elective

Select 3 semester hours from the appropriate list to be obtained from the department

Biology Minor

Required Courses

BIOL 120 Plant Form and Function	4
BIOL 132 Animal Form and Function	4

Select one option from the following:

Option A:

BIOL 213 Introduction to Field Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
GEOS 112 Physical Geology	4

Option B:

BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 434 Molecular Biology	3

Option C:

BIOL 213 Introduction to Field Ecology	4
BIOL 370 Principles of Ecology	4

Select two courses from the following:

BIOL 426 New Jersey Flora	4
BIOL 430 Field Ornithology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Limnology	4

Courses of Instruction

BICL 404

PLANT AND ANIMAL HISTOLOGICAL TECHNIQUES 3.0

Basic techniques and skills in preparation of permanent microscopic slides of plant and animal tissue. (1 hour lecture, 3 hours laboratory.)

Prerequisite: BIOL 120 and 132. Special fee.

BICL 405

CELL CULTURE 3.0

Theory of and practice in working with living cells: tissue culture techniques, cell communication, differentiation, regeneration and aging in several living cell systems.

Prerequisite: Departmental approval. Special fee.

BICL 406

SCANNING ELECTRON MICROSCOPY 4.0

Introduction to theory and practice of scanning electron microscopy. Includes specimen preparation, scanning electron microscope operation, electron specimen interactions/imagery, and microanalysis.

Prerequisite: Departmental approval. Special fee.

BIOL 100

BIOLOGICAL SCIENCES 4.0

The study of life from molecule to organism with focus on structure and function of cells, mechanisms of heredity and change, survey of animals and plants and their interrelationships in the living world. (3 hours lecture, 2 hours laboratory.) Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: Open to non-majors. Special fee.

BIOL 107

BIOLOGY FOR SURVIVAL 3.0

Basic concepts of biology that focus on social implications of pollution, population control, radiation, drugs, pesticides, the genetic revolution, etc. For non-science majors. Biology majors may only take this course as a free elective. (3 hours lecture.) Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.

- BIOL 110**
THE BIOLOGY OF HUMAN LIFE 4.0
 The biological basis to human development, birth, maturation, and aging. Not for biology major credit. (3 hours lecture, 2 hours laboratory.) Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.
- BIOL 120**
PLANT FORM AND FUNCTION 4.0
 This course acquaints the student with the methods and tools of science. Morphology and physiology of the cell and of the plant as a whole are considered. (3 hours lecture, 3 hours laboratory.)
Prerequisite: Special fee.
- BIOL 132**
ANIMAL FORM AND FUNCTION 4.0
 Survey of common animal phyla with particular emphasis on the basic construction and function of the animal organism. Where appropriate ancillary subjects of behavior, ecology, origins and development will be addressed. (3 hours lecture, 3 hours laboratory.)
Prerequisite: Special fee.
- BIOL 213**
INTRODUCTION TO FIELD ECOLOGY 4.0
 Semester-long field oriented course designed as an introduction to the natural world. Emphasis will be placed on identifying and characterizing the variety of habitats in New Jersey through field observations, group and individual projects and specimen collection. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 120 or 132. Special fee.
- BIOL 215**
HUMAN HEREDITY 3.0
 A non-major course introducing concepts of classical heredity and modern molecular genetics, which stresses the techniques and significance of genetic knowledge and research. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.
- BIOL 230**
CELL AND MOLECULAR BIOLOGY 4.0
 An introduction to the chemistry, structure, and function of prokaryotic and eukaryotic cells. Topics covered include membrane structure and transport processes, bioenergetics and energy transformations in cells, DNA replication and expression, protein synthesis and cell movement. (3 hours lecture, 3 hours laboratory.)
Prerequisites: CHEM 120 with grade of "C-" or better. Special fee.
- BIOL 240**
MAMMALIAN ANATOMY AND PHYSIOLOGY I 3.0
 Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: Special fee.
- BIOL 241**
MAMMALIAN ANATOMY AND PHYSIOLOGY II 3.0
 Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: BIOL 240. Special fee.
- BIOL 243**
HUMAN ANATOMY AND PHYSIOLOGY 4.0
 A study of the dynamics of the human body in relation to its structure and function is based on its nutritional input. Each organ system is discussed in relation to its contribution to the whole functioning organism, as well as a basic survey of its pathologies. Primarily for ADA Certification. (3 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.
- BIOL 244**
ANATOMY AND PHYSIOLOGY OF MAMMALS I 4.0
 The structure and function of the cell, tissue and organ systems-integumentary, skeletal, muscular, circulatory and respiratory. (3 hours lecture, 2 hours laboratory.)
Prerequisites: Departmental approval; non-majors only. Special fee.
- BIOL 245**
ANATOMY AND PHYSIOLOGY OF MAMMALS II 4.0
 The structure and function of the organ systems - nervous, excretory, endocrine, digestive and reproductive. (3 hours lecture, 2 hours laboratory.)
Prerequisites: BIOL 244; departmental approval; non-majors only. Special fee.
- BIOL 254**
APPLIED MICROBIOLOGY 3.0
 Microbiological concepts and techniques applicable to food and dairy processing, health and disease, water, waste and other environmental problems. (2 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.
- BIOL 255**
SURVEY OF MICROBIOLOGY 4.0
 Microbiological concepts and techniques applicable to medical, health and environmental problems. (3 hours lecture, 2 hours laboratory.) Not for Biology majors.
Prerequisite: CHEM 110 and 112; non-biology majors only. Special fee.
- BIOL 256**
APPLIED ENVIRONMENTAL MICROBIOLOGY 3.0
 Microbiological concepts and techniques applicable to environmental microbiology: water, waste and other environmental problems, health and diseases. (2 hours lecture, 3 hours laboratory.)
Corequisite: CHEM 120. Special fee.
- BIOL 300**
ENVIRONMENTAL BIOLOGY AND RELATED CONTROVERSIAL ISSUES 3.0
 Analysis of ecological problems of today's population trends and control, food production, environmental deterioration, waste disposal, etc.
Prerequisite: BIOL 213.
- BIOL 330**
INTRODUCTION TO ANIMAL BEHAVIOR 3.0
 Concepts and theories of the sensory world of animals and behavioral patterns resulting in environmental adaptations.
Prerequisites: BIOL 132.
- BIOL 350**
MICROBIOLOGY 4.0
 A study of bacteria, yeast, molds and other microorganisms in relation to modern biological concepts and the welfare of man. Standard techniques employed in the laboratory. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 230 and CHEM 120. Special fee.
- BIOL 370**
PRINCIPLES OF ECOLOGY 3.0
 To acquaint biology majors with the general principles of ecology, population dynamics and adaptations of plants and animals to various habitats. (2 hours lecture, 2 hours laboratory.)
Prerequisites: BIOL 213.
- BIOL 380**
GENETICS 4.0
 Lecture and lab. Heredity, gene and chromosomal structure and function, gene regulation, mutation and repair, genes in populations, genetic manipulation, and applied genetics are covered. Lab exercises demonstrate genetic concepts. A semester-long project with research paper is required of all Biology majors and minors. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 230 with a grade of "C-" or better and CHEM 120. Special fee.

- BIOL 409**
EXTERNSHIP IN BIOLOGICAL RESEARCH
 (COOPERATIVE EDUCATION) 1.0-4.0
 Full- or part-time work in an established laboratory with a scientific investigator for the duration of the term.
Prerequisite: Departmental approval.
- BIOL 411**
INTRODUCTION TO TRANSMISSION ELECTRON MICROSCOPY 4.0
 Basic theory and practice of electron microscopy. Specimen preparation ultramicrotomy, microscopy, photographic preparation of final print, interpretation of results. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 230. Special fee.
- BIOL 418**
BIOLOGY INDEPENDENT RESEARCH 1.0-4.0
 Under the guidance of a sponsor, students will investigate individual problems of appropriate scope. A written and/or oral report as required. Offered on demand.
Prerequisite: Departmental approval. Special fee.
- BIOL 425**
ELEMENTARY PLANT PHYSIOLOGY 4.0
 Major physiological processes of the flowering plant: growth, metabolism, photosynthesis, respiration, water relations and mineral nutrition. Not offered every year.
Prerequisites: BIOL 120 and CHEM 230. Special fee.
- BIOL 426**
NEW JERSEY FLORA 4.0
 Field identification of mosses, liverworts, ferns, and seed plants in a variety of habitats. Not offered every year.
Prerequisite: BIOL 213. Special fee.
- BIOL 430**
ORNITHOLOGY 4.0
 The biology, identification, and natural history of birds in a variety of habitats. Laboratory includes trips on a varying schedule. (1 hour lecture, 3 hours laboratory.)
Prerequisite: BIOL 132. Special fee.
- BIOL 431**
ENTOMOLOGY 3.0
 Identification, physiology and ecology of common insect families. Not offered every year.
Prerequisite: BIOL 132. Special fee.
- BIOL 432**
MEDICAL ENTOMOLOGY 3.0
 The study of arthropods that are vectors of diseases afflicting man and domestic animals. Not offered every year.
Prerequisite: BIOL 132. Special fee.
- BIOL 434**
INTRODUCTORY MOLECULAR BIOLOGY 3.0
 This course is designed to examine the molecular biology of plant and animal cells.
Prerequisites: BIOL 350 and 380 and CHEM 470.
- BIOL 435**
EXPERIMENTAL MOLECULAR BIOLOGY 3.0
 A laboratory course that will introduce biology and molecular biology majors to the basic techniques of modern molecular biology. Techniques to be covered include nucleic acid isolation, restriction enzyme mapping, plasmid manipulation and subcloning, genomic library construction, PCR amplification, and DNA sequence analysis. (6 hours laboratory).
Prerequisite: BIOL 434. Special fee.
- BIOL 439**
BIOLOGY OF ANIMAL PARASITES 3.0
 The basic principles of parasitism. Ecological, morphological, and physiological adaptations for parasitism. Evolution of parasites and integration with the host.
Prerequisite: BIOL 132. Special fee.
- BIOL 440**
GROSS MAMMALIAN ANATOMY 4.0
 Functional mammalian anatomy at the microscopic and gross level. Laboratory dissection of the cat and study of selected organs and anatomical models. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 132. Special fee.
- BIOL 442**
HUMAN PHYSIOLOGY 4.0
 Functions of animal organs and systems with emphasis on maintenance of homeostasis.
Prerequisite: BIOL 132 and 230 with a grade of "C-" or better and CHEM 230. Special fee.
- BIOL 443**
VERTEBRATE EMBRYOLOGY 4.0
 Developmental anatomy of the vertebrates, especially amphibian, chick and human. General concepts of development and cell differentiation. Not offered every year.
Prerequisites: BIOL 132 and 230. Special fee.
- BIOL 444**
CELL PHYSIOLOGY 3.0
 Advanced course in cell function.
Prerequisite: BIOL 230 with a grade of "C-" or better and CHEM 230.
- BIOL 445**
IMMUNOLOGY 3.0
 Cellular and humoral immunal responses, immunoglobulins, antigen-antibody reactions, immunopathology, transplantation, and blood transfusion.
Prerequisites: BIOL 230 with a grade of "C-" or better and CHEM 230.
- BIOL 446**
ENDOCRINOLOGY 3.0
 Basic anatomy and physiology of the mammalian endocrine glands with special attention directed to the human endocrine glands. The interrelationships between the various endocrines including neural control and the role of these glands in maintaining the homeostasis of the body will be stressed.
Prerequisite: BIOL 230 with a grade of "C-" or better and CHEM 230.
- BIOL 447**
FUNDAMENTALS OF PHARMACOLOGY 3.0
 Introduction to the study of chemicals that have biological effects, with special emphasis on those with medical importance.
Prerequisites: BIOL 230 and CHEM 230.
- BIOL 448**
MAMMALIAN MICROANATOMY 4.0
 Detailed examination of mammalian tissues using both light and electron micrographic analyses. Epithelia, connective, muscle, nervous and gametic tissues will be thoroughly examined as they occur structurally and functionally within mammalian organ systems.
Prerequisite: BIOL 132 and 230. Special fee.
- BIOL 450**
MEDICAL MICROBIOLOGY 3.0
 The course is designed to acquaint the Biology major with those microorganisms which cause disease, the prevention of disease, therapeutic agents to control microbial diseases and the body's natural defense mechanisms.
Prerequisite: BIOL 350.
- BIOL 460**
BIOLOGICAL OCEANOGRAPHY 3.0
 Biological processes within oceans and estuaries are considered in relation to the physical environment. Field and laboratory work. Not offered every year.
Prerequisites: BIOL 213. Special fee.

- BIOL 461**
AQUATIC ECOLOGY 3.0
 Biological and physical processes of rivers and lakes. Field work and laboratory. Not offered every year.
Prerequisite: BIOL 120 and 132. Special fee.
- BIOL 467**
BIOLOGY OF THE FISHES 4.0
 Systematics, adaptations, reproduction, evolution, ecology and zoo-geography of major groups of marine fishes. At New Jersey Marine Sciences Consortium. Not offered every year.
Prerequisites: BIOL 132.
- BIOL 471**
BIOMEDICAL ETHICS 2.0
 Seminar course dealing with ethical dilemmas posed by advances in biomedical technology. Background readings in ethics will be followed by discussions of readings on the applications and consequences of modern biomedical research.
Prerequisites: BIOL 380.
- BIOL 490**
SENIOR SEMINAR IN BIOLOGY 2.0
 Course which will allow the advanced undergraduate student to study a single topic in depth. This course would allow the students an opportunity to integrate the principles of several areas (ecology, physiology, genetics, etc.) of biology in the study of a single topic. This required course for Biology seniors will have a seminar format.
Prerequisite: Senior status; biology or molecular biology majors only.
- BIOL 491**
RESEARCH IN BIOLOGY LITERATURE 1.0
 Each student will survey current biological literature pertinent to a specific problem. A comprehensive report is required. Not offered every year.
Prerequisites: Departmental approval.
- BIOL 492**
SENIOR COLLOQUIUM 1.0
 Students in this course will read primary resource material and interpret the data. This course will also teach students how to read, critique, and present scientific data to a peer group. Students will analyze, discuss, and present primary research articles with respect to scientific content, accuracy of the data and significance of the experiments.
Prerequisite: Senior status.
- BIMS 220**
INTRODUCTION TO MARINE BIOLOGY 4.0
 A field and laboratory oriented course covering the characteristics of marine plants and animals. The course is designed to provide the student with experience in collecting and identifying local marine flora and fauna.
- BIMS 422**
BIOLOGY OF MARINE PLANKTON 2.0
 A study of the marine phytoplankton and zooplankton, their collection, analysis and interpretation. Their role in the ecosystem will be stressed as will be their distribution, particularly those of the near shore and estuarine environment. Field trips will be made to coastal New Jersey. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 422.
- BIMS 426**
MARINE ENERGY SYSTEMS 2.0
 Principles of production and energy transfer in the marine environment. Spatial and temporal distribution of productivity. Productivity measurement and assessment of the roles of plants, herbivores and carnivores in marine energetics. Offered at New Jersey Marine Sciences Consortium.
- BIMS 431**
MARINE INVERTEBRATE ZOOLOGY 4.0
 A study of the invertebrates living in the marine realm with emphasis on the interrelations of these animals to their particular environment. Field work will include studies of the pelagic and benthonic forms associated with estuaries and the continental shelf. Also offered at the site of the New Jersey Marine Sciences Consortium.
- BIMS 433**
SEASHORE ORNITHOLOGY 2.0
 Field identification of birds of the ocean, salt marsh, sand dunes, and adjacent land areas. Includes discussion of habits and ecology. Offered at NJ Marine Sciences Consortium.
- BIMS 438**
SEASHORE ENTOMOLOGY 2.0
 Ecological studies of the insect fauna found in the unique habitats of the (1) intertidal zone, (2) coastal sand dunes and (3) salt marsh found along the New Jersey shoreline.
- BIMS 450**
MARINE BOTANY 4.0
 An introduction to the structure, systematics, physiology and ecology of algae and metaphyta of the marine environment. Emphasis will be placed on the flora of the estuary and tidal marsh. Biology of the associated phytoplankton will be studied. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 450.
- BIMS 455**
MARSH AND DUNE VEGETATION 2.0
 A field and laboratory study of the plant communities that inhabit the sand dunes and marshes of the coastal zone of New Jersey. The diversity of the forms of plant life and their adaptations and ecological roles. The collection and identification of individual plant species. Also offered at the site of the New Jersey Marine Sciences Consortium.
- BIMS 460**
ADVANCED MARINE BIOLOGY 4.0
 Interrelationships of marine animals and plants. Ecological response to physical and chemical parameters. Principles such as zonation, succession, ecosystem structure, and physiological response will be examined through lectures, field projects and laboratory study.
- BIMS 490**
FIELD METHODS IN THE MARINE SCIENCES 4.0
 The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture; 4 hours lab.)
- BIMS 491**
PLANKTON SAMPLING AND ANALYSIS 1.0
 Sampling, identification and counting of phyto- and zooplankton. New Jersey Marine Sciences Consortium.
- BIMS 494**
PRIMARY PRODUCTION IN THE MARINE ENVIRONMENT 1.0
 Theory and techniques of primary production measurement. New Jersey Marine Sciences Consortium.

BROADCASTING

SCHOOL OF THE ARTS

Chairperson: Lawrence Londino

The Department of Broadcasting provides students the opportunity to earn a liberal arts baccalaureate degree while simultaneously being exposed to fundamental training in the field of electronic media production. The emphasis of the curriculum is on the writing, producing, and directing of fresh, innovative ideas for electronic media presentation, coupled with a strong theoretical background in the history and contemporary issues surrounding the development of the electronic communication industries in the United States. While the curriculum is not designed to train professional craftspeople, students with an interest in and an aptitude for specific craft disciplines (e.g., videography, editing, technical directing) are provided opportunities to gain access to state-of-the-art production equipment for self-directed practical training.

Special features of the academic program include: internships at major broadcasting facilities; an adjunct faculty of high-level broadcasting executives and producers; student participation in the production of in-house videos for the University as well as our own weekly award-winning cable television program, *Carpe Diem*; production competitions; and association with professional organizations such as the National Academy of Television Arts and Sciences (NATAS), American Women in Radio and Television (AWRT), and the University Film and Video Association (UFVA).

The Department of Broadcasting requires an interview for admission to the program. The dates and requirements for department admissions and interviews may be obtained from the Admissions Office or by calling the Department of Broadcasting at (973) 655-7870.

Broadcasting Major—B.A.

Required Courses

	Semester Hours
SPCM 101 Fundamentals of Speech: Communication Requirement	3
BDCS 101 Introduction to the Broadcasting Medium	3
BDCS 140 Writing for the Broadcasting Media	3
BDCS 150 Audio Production	3
BDCS 251 Television Production I	4
BDCS 252 Television Production II	4
BDCS 253 Television Practicum	1
BDCS 350 Television Production III	4

Major Electives

Select five courses to total at least 15 semester hours from the following list:

BDCS 180 Elements of Public Media	3
BDCS 270 Special Topics in Broadcasting*	3
BDCS 282 Media and Culture	3
BDCS 315 Political Broadcasting	3
BDCS 351 Craft Workshop	1-3
BDCS 353 Children's Television	3
BDCS 360 Station Management	3
BDCS 391 International Broadcasting	3
BDCS 395 Ethics of Mass Communication	3
BDCS 403 Independent Study**	3
BDCS 440 Electronic Journalism	3
BDCS 470 Special Studies in Broadcasting*	3
BDCS 480 Television Production Company	1-3
BDCS 490 Internship: Broadcasting***	4-6

*This number is used for various course offerings which are not regularly scheduled, and may be repeated when a different course title is offered.

**Not more than 3 semester hours may be counted toward the Broadcasting major.

***Not more than 6 semester hours may be counted toward the Broadcasting major.

Free Electives 33

Courses of Instruction

BDCS 101

INTRODUCTION TO THE BROADCASTING MEDIUM 3.0
A survey of the history, organization and current structure of radio, television and hybrid technologies; societal and cultural influences of electronic broadcast media; introduction to practical and theoretical concepts of studio production.

Prerequisite: Broadcasting majors only.

BDCS 140

WRITING FOR THE BROADCASTING MEDIA 3.0
Writing of continuity and dramatic materials for the broadcast media, including news, commercials, and drama.

Prerequisite: BDCS 101; Broadcasting majors only.

BDCS 150

AUDIO PRODUCTION 3.0
A fundamental workshop exploring the properties of sound as both a separate creative medium and as a supplemental tool for the visual image; studio and location recording, editing, and mixing.

Prerequisite: BDCS 101; B.A. Broadcasting majors only.

BDCS 250

SOUND DESIGN 3.0
This production-oriented class will explore the aesthetics and techniques of sound design for radio, television, and film. Students will analyze professional sound designs in these media and create their own using both analog and digital technology.

Prerequisites: BDCS 150; Broadcasting majors only.

BDCS 251

TELEVISION PRODUCTION I 4.0
A workshop presenting the fundamentals of studio television production; opportunity to demonstrate creative potential through short studio productions; emphasis upon the idea, and principles of camera blocking.

Prerequisites: BDCS 140; BDCS 150; Broadcasting majors only; departmental approval.

BDCS 252

TELEVISION PRODUCTION II 4.0
An intermediate workshop presenting opportunities for the production of programs of various types to be aired on cable outlets; introduction to EFP (electronic field production) and off-line post-production techniques; continued emphasis upon program concept.

Prerequisite: BDCS 251; Broadcasting majors only; departmental approval.

BDCS 253

TELEVISION PRACTICUM 1.0
Students participate in a designated number of hours of television production for the closed circuit television facility as well as other production opportunities. May be repeated for a maximum of four credits.

Prerequisite: BDCS 251; Broadcasting majors only; departmental approval.

BDCS 260

HISTORY OF TELEVISION 3.0
An examination of the history of television programming in the United States. Students view original programs that constitute some of the key moments in television history and assess their significance based on aesthetic, content-oriented, technological, sociological, and political-economic points of view.

Prerequisites: BDCS 101; Broadcasting majors only.

BDCS 270

SPECIAL TOPICS IN BROADCASTING 3.0
This course is specifically intended for lower division (freshman and sophomore) students. It provides an umbrella to offer a variety of specialized, introductory level topics which do not justify establishing a permanent course. Examples of subjects to be addressed are: specialized trends in television programming; the history of television networks; television news; television in the courtroom; First Amendment issues as they relate to broadcasting; sports on television; the social impact of modern radio talk formats; and broadcast regulation. May be repeated for a maximum of nine credits.

Prerequisite: BDCS 101; Broadcasting majors only.

- BDCS 282**
MEDIA AND CULTURE 3.0
 The ways in which the broadcast media affect mass culture and consequently the values and mores of society; includes the history of mass culture and the mechanisms by which diverse forces of society (i.e., minority cultures, political trends or technological innovations) affect mass culture.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 293**
PROGRAMMING 3.0
 A structural and critical examination of broadcast and cable television programming, including program production/acquisition, scheduling, and evaluation. An overview of programming strategies and techniques, sources, genres, regulation, issues and trends.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 315**
POLITICAL BROADCASTING 3.0
 A survey of the history of political broadcasting beginning with radio and concentrating on television; analysis of the relationship between broadcasting and the political process, to include campaigning for office, the election and how broadcasting helps or hinders the art of governing.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 340**
INTRODUCTION TO MULTITRACK RECORDING 3.0
 This production course will introduce students to the concepts and production techniques used in multitrack recording. The class will explore the impact these techniques have had on music and sound design for television and film, as well as their creative use in a studio environment. Students will complete several recording projects as part of the course requirements.
Prerequisite: BDCS 150.
- BDCS 350**
TELEVISION PRODUCTION III 3.0
 Advanced workshop providing opportunity for pre-professional level production for distribution off-campus; emphasis on selection of quality properties for production; introduction to on-line post-production techniques..
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
- BDCS 351**
CRAFT WORKSHOP 1.0-3.0
 Designated students work closely under the supervision of studio operations personnel/technicians to concentrate on the maintenance and operation of the DuMont Television Center facility. Opportunity for students to work intensively with advanced production hardware. May be repeated for a maximum of three credits.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 353**
CHILDREN'S TELEVISION 3.0
 Current children's productions and examination of research on their affect/effectiveness; work on class productions designed for children.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 360**
STATION MANAGEMENT 3.0
 Economic support patterns, evolution of broadcast programming; ascertainment of community needs; station promotion and advertising; legal and ethical issues relating to broadcasting.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 391**
INTERNATIONAL BROADCASTING 3.0
 This course will explore the history and development of broadcasting systems other than our own. Major broadcasting systems include England, Australia, Canada, Japan, Russia (and former Soviet Union satellites), France and Italy. The course will trace the effects of various political systems on the system of broadcasting, dealing with such issues as accessibility, privacy and freedom of speech. Students will examine the reasons for the demise of Radio Free Europe and other international broadcast services. The course will also address the effect of changing technologies on international communications (i.e., satellites, fiber optics, HDTV).
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 395**
ETHICS OF MASS COMMUNICATION 3.0
 A survey and analysis of major legal and ethical issues in broadcasting and mass communication.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 403**
INDEPENDENT STUDY 1.0-3.0
 Opportunity to obtain credit for independent research projects; students must obtain approval from the division coordinator before registration period for the semester of the independent study; generally not for production projects.
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
- BDCS 440**
ELECTRONIC JOURNALISM 3.0
 Practical training in gathering, writing and producing of news story packages for incorporation into a studio news show. Demonstration and application of ENG (electronic news gathering) techniques related to production.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 470**
SPECIAL STUDIES IN BROADCASTING 3.0
 Various topics offered depending upon program needs and available professional part-time faculty. Usually deals with some professional aspects of the broadcast field or special study of the broadcast media. May be repeated for a maximum of 24 credits.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 480**
TELEVISION PRODUCTION COMPANY 1.0-3.0
 Senior level broadcast laboratory in which students function in some key role in a production unit which produces professional television production for distribution on- and off-campus. May be repeated for a maximum of nine credits.
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
- BDCS 490**
INTERNSHIP: BROADCASTING 4.0-16.0
 Advanced students fulfill a portion of major requirements working for a professional or contract broadcasting-related company.
Prerequisite: BDCS 101; Broadcasting majors only; departmental approval.

CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Saliya A. de Silva

The Chemistry and Biochemistry Department offers two majors leading to the degree of Bachelor of Science, Chemistry and Biochemistry. A student who chooses the chemistry major can prepare for graduate study in chemistry or biochemistry, professional employment, professional education in fields related to science, or teacher certification. The courses meet the undergraduate criteria established by the American Chemical Society (ACS). The chemistry major is included in the ACS list of approved programs. The student can complete ACS requirements and be certified to the Society upon graduation.

The student who chooses the biochemistry major will emerge with a strong background in the basic sciences and mathematics as well as biochemistry and will qualify for graduate study in biochemistry or professional employment. With appropriate elective course selections, students in either major can satisfy the requirements for pre-health professional programs (pre-medical, pre-dental or pre-chiropractic).

The curriculum is designed for students who have had high school chemistry, biology and physics, as well as four years of high school mathematics.

The department sponsors a challenging honors program for chemistry majors with outstanding academic records (at least 3.70 grade point average), an undergraduate research program, and offers cooperative education work experiences. Those interested should see the department chairperson for information.

Chemistry Major

Required Courses

Semester Hours

CHEM 120, 121	General Chemistry I, II	8
CHEM 230, 231	Organic Chemistry, II	6
CHEM 232, 233	Experimental Organic Chemistry I, II	4
CHEM 310	Analytical Chemistry	5
CHEM 311	Instrumental Analysis	4
CHEM 340, 341	Physical Chemistry I, II	6
CHEM 343	Experimental Physical Chemistry	2
CHEM 495	The Chemical Literature	1

Collateral Courses

Two Mathematics courses:

MATH 122, 221	Calculus I, II	8
---------------	----------------	---

Two Physics courses:

PHYS 191, 192	University Physics I, II	8
---------------	--------------------------	---

Electives (Major)		6
--------------------------	--	---

Select 6 semester hours from the appropriate list to be obtained from the department.

Chemistry Minor

Required Courses

Semester Hours

CHEM 120, 121	General Chemistry I, II	8
CHEM 230, 231	Organic Chemistry I, II	6
CHEM 232, 233	Experimental Organic Chemistry I, II	4

Select one set:

CHEM 310	Analytical Chemistry	5
CHEM 340, 343	Physical Chemistry I, and Experimental Physical Chemistry	5
CHEM 423, 422	Advanced Inorganic Chemistry and Experimental Inorganic Chemistry	6

OR

CHEM 470, 472	Biochemistry I, and Experimental Biochemistry	5
---------------	---	---

Biochemistry Major

Required Courses

Semester Hours

CHEM 120, 121	General Chemistry I, II	8
CHEM 230, 231	Organic Chemistry I, II	6
CHEM 232, 233	Experimental Organic Chemistry I, II	4
CHEM 310	Analytical Chemistry	5

OR

CHEM 311	Instrumental Analysis	4
CHEM 340	Physical Chemistry I	3
CHEM 341	Physical Chemistry II	3
CHEM 470	Biochemistry I	3
CHEM 471	Biochemistry II	3
CHEM 472	Experimental Biochemistry	2
CHEM 473	Instrumental Biochemistry Laboratory	3
CHEM 496	Biochemical Literature	1

Collateral Courses

Four Biology Courses:

BIOL 230	Cell and Molecular Biology	4
BIOL 350	Microbiology	4
BIOL 380	Genetics	4
BIOL 434	Introductory Molecular Biology	3

Two Mathematics Courses:

MATH 122	Calculus I	4
MATH 221	Calculus II	4

Two Physics Courses:

PHYS 191	University Physics I	4
PHYS 192	University Physics II	4

Special Program Requirements

Semester Hours

B.S. in Chemistry with American Chemical Society Certification	10
--	----

In addition to taking the course requirements in the chemistry major program as detailed previously, a student who wishes to fulfill the minimum requirements for professional training of the American Chemical Society should elect the following courses:

1. One of the following courses:*

CHEM 410	Advanced Analytical Chemistry	3
CHEM 430	Advanced Organic Chemistry	3
CHEM 440	Advanced Physical Chemistry	3
CHEM 423	Advanced Inorganic Chemistry	3

3. One of the following:

CHEM 422	Experimental Inorganic Chemistry	3
CHEM 498	Senior Laboratory	3
CHEM 499	Undergraduate Research	(minimum) 3

*Courses used to fulfill the elective requirement C for the chemistry major cannot also be used to fulfill requirement #1 for ACS Certification. This restriction does not apply to ACS Certification requirements 2 and 3.

The learning of certain other skills may be essential in an undergraduate chemistry program. This decision must be made by the student and his advisor. Included in this group are:

Foreign Language: a reading knowledge of German, Russian or French.

Mathematics: Linear algebra.

Computer Science: programming ability in BASIC and FORTRAN.

Honors Program in Chemistry

Chemistry majors can apply for admission to the honors program in chemistry during their sophomore or junior years. Students accepted into the program will be required to take (in addition to the regular chemistry major) the following courses:

Semester Hours

CHEM 491	Honors Seminar in Chemistry	2
CHEM 492	Honors Thesis in Chemistry	2

Interested students should contact the department chairperson.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the Chemistry and Biochemistry Department.

Courses of Instruction

- CHEM 100**
INTRODUCTORY CHEMISTRY 4.0
An introductory lecture and laboratory survey course in modern chemistry for non-science majors. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.
- CHEM 107**
COLLEGE CHEMISTRY I 2.0
Introductory chemistry course for non-science majors. Fundamentals of inorganic chemistry.
- CHEM 108**
COLLEGE CHEMISTRY II 2.0
Introductory chemistry course for non-science majors. Fundamentals of organic and biochemistry.
Prerequisite: CHEM 107.
- CHEM 109**
COLLEGE CHEMISTRY LABORATORY I 1.0
Laboratory work to reinforce basic concepts of inorganic chemistry.
Prerequisite: Special fee.
Corequisite: CHEM 107 or CHEM 111.
- CHEM 110**
COLLEGE CHEMISTRY LABORATORY II 1.0
Laboratory work to reinforce basic concepts of organic chemistry and biochemistry. Taken concurrent with CHEM 108 or CHEM 112.
Prerequisite: CHEM 109. Special fee.
Corequisite: CHEM 108 or CHEM 112.
- CHEM 111**
ELEMENTS OF CHEMISTRY I 3.0
Basic concepts of general chemistry for non-science majors. This course goes into greater depth than CHEM 107 and is required for Foods and Nutrition majors.
- CHEM 112**
ELEMENTS OF CHEMISTRY II 3.0
A study of human biochemistry with emphasis on biomolecules, metabolism, and bioenergetics.
Prerequisite: CHEM 111.
- CHEM 120**
GENERAL CHEMISTRY I 4.0
Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to atomic and molecular structure, bonding, stoichiometry, states of matter, solutions, and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: One year high school chemistry. Special fee.
- CHEM 121**
GENERAL CHEMISTRY II 4.0
Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to thermochemistry, kinetics; general acid base, precipitation, redox equilibria, electrochemistry and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems.
Prerequisite: CHEM 120. Special fee.

- CHEM 130**
FUNDAMENTALS OF ORGANIC CHEMISTRY 4.0
Survey of organic chemistry covering all major classes, nomenclature, and characteristic class reactions. (3 hours lecture, 2 hours laboratory.)
Prerequisite: CHEM 107 or CHEM 111. Special fee.
- CHEM 195**
PROBLEM SOLVING-GENERAL CHEMISTRY 1.0
Course designed to help students in application of mathematics in chemistry with emphasis on individual needs.
- CHEM 230**
ORGANIC CHEMISTRY I 3.0
Structure and bonding in organic compounds: nomenclature, reactions, properties, and aromatic compounds: stereochemistry; structure analysis by IR, NMR, UV, and MS; introduction to molecular orbital theory.
Prerequisite: CHEM 121.
- CHEM 231**
ORGANIC CHEMISTRY II 3.0
Nomenclature, reactions, properties, and synthesis of ethers, epoxides, alcohols, amines, and carbonyl compounds; carbohydrates; amino acids, peptides and proteins; pericyclic reactions; synthetic polymers.
Prerequisite: CHEM 230.
- CHEM 232**
EXPERIMENTAL ORGANIC CHEMISTRY I 2.0
A laboratory course to be taken concurrently with CHEM 230. Basic techniques for the separation, analysis and synthesis of organic compounds: recrystallization, distillation, extraction, GC, HPLC, TLC, GC/MS, IR, H/C13-NMR, chemical safety methods and regulations.
Prerequisite or corequisite: CHEM 230. Special fee.
- CHEM 233**
EXPERIMENTAL ORGANIC CHEMISTRY II 2.0
A laboratory course to be taken concurrently with CHEM 231 and after completion of CHEM 232. Basic techniques for organic synthesis, mechanistic studies, separation and analysis, and chemical safety: multistep syntheses, spectral data-base searching, phase-transfer catalysis, anhydrous procedures, analysis of unknowns by wet-chemical and spectral methods.
Prerequisite: CHEM 232. Special fee.
- CHEM 270**
FUNDAMENTALS OF BIOCHEMISTRY 5.0
Structure and function of the biomolecules and the metabolic interrelationships in the cell. Primarily for Foods and Nutrition majors.
Prerequisite: CHEM 130. Special fee.
- CHEM 310**
ANALYTICAL CHEMISTRY 5.0
Introduction to concepts of classical analytical chemistry including evaluation of data and apparatus, theory and application of volumetric and gravimetric methods and redox equilibrium, and introduction to electrical methods.
Prerequisites: CHEM 231 and 233. Special fee.
- CHEM 311**
INSTRUMENTAL ANALYSIS 4.0
Introduction to application of instrumental methods of analytical chemistry. Instrument techniques studied will include spectrophotometry, electroanalytical chemistry, chromatography, nuclear magnetic resonance and mass spectrometry. Theory and application will be examined in lecture and laboratory.
Prerequisites: CHEM 310 and 340. Special fee.
- CHEM 320**
ENVIRONMENTAL CHEMICAL ANALYSIS 3.0
A study of the sources, reactions, transport, effects, and fates of chemical species in the environment. Lecture and lab will stress the theory, methodology, techniques, and instrumentation for air, water and soil analysis for contaminants. (Two hours lecture, two hours laboratory.)
Prerequisite: CHEM 230 and 232. Special fee.
- CHEM 340**
PHYSICAL CHEMISTRY I 3.0
Thermodynamics, homogeneous and heterogeneous equilibria, gases, electrochemistry, solutions, colligative properties.
Prerequisites: CHEM 231 and PHYS 192 and MATH 221.

CHEM 341		
PHYSICAL CHEMISTRY II	3.0	
Kinetics, photochemistry, molecular physical chemistry.		
<i>Prerequisites: CHEM 340 and PHYS 192 and MATH 221.</i>		
CHEM 343		
EXPERIMENTAL PHYSICAL CHEMISTRY	2.0	
A laboratory course to be taken concurrently with CHEM 341. Application and experience with experimental techniques of physical chemistry. Students will perform experiments in calorimetry, measurement of thermodynamic variables, electro-chemical phenomena and kinetics. Analysis of experimental data, statistics and applications of microcomputers will be included.		
<i>Prerequisites: CHEM 231 and 340 and MATH 221 and PHYS 192. Special fee.</i>		
<i>Corequisite: CHEM 341.</i>		
CHEM 422		
EXPERIMENTAL INORGANIC CHEMISTRY	3.0	
Experience utilizing a broad selection of modern techniques for the synthesis, characterization, and chemistry of inorganic compounds. Subjects covered will include catalysis, reaction mechanisms, and use in organic syntheses.		
<i>Prerequisite: CHEM 310. Special fee.</i>		
CHEM 423		
ADVANCED INORGANIC CHEMISTRY	3.0	
Physical basis of bonding and reactivity of inorganic compounds. Electronic structure of atoms, ionic and covalent bonding, symmetry properties, chemistry and structure of transition metal compounds, organometallic chemistry, introduction to solid-state structures.		
<i>Prerequisite or corequisite: CHEM 340.</i>		
CHEM 430		
ADVANCED ORGANIC CHEMISTRY	3.0	
Consideration of structural and electronic theories which form the basis of organic chemistry.		
<i>Prerequisite: CHEM 231.</i>		
CHEM 440		
ADVANCED PHYSICAL CHEMISTRY	3.0	
Quantum mechanics, bonding theory, atomic structure, statistical thermodynamical calculations.		
<i>Prerequisites: MATH 420 and CHEM 341.</i>		
CHEM 447		
BIOPHYSICAL CHEMISTRY	3.0	
Thermodynamics, equilibria, transport processes, kinetics, and electrochemistry as applied to cellular processes.		
<i>Prerequisite: CHEM 470.</i>		
CHEM 470		
BIOCHEMISTRY I	3.0	
Organization of the living cell; structure, function and chemistry of proteins, carbohydrates and lipids; bioenergetics and oxidation.		
<i>Prerequisite: CHEM 231.</i>		
CHEM 471		
BIOCHEMISTRY II	3.0	
The second semester of a two semester course in biochemistry. The course continues the coverage of the chemistry of proteins, carbohydrates, lipids, and nucleic acids, and their role in cellular function and processes. Topics such as the chemistry of hormones, recombinant DNA, mechanisms of enzyme action, protein synthesis, immunoglobulins and membranes are included.		
<i>Prerequisite: CHEM 470.</i>		
CHEM 472		
EXPERIMENTAL BIOCHEMISTRY	2.0	
Laboratory studies of carbohydrates, lipids, and proteins, enzyme action, enzyme purification, electrophoresis, biochemical applications of spectroscopy.		
<i>Prerequisites: CHEM 231 and 232. Special fee.</i>		
<i>Corequisite: CHEM 470.</i>		
CHEM 473		
INSTRUMENTAL BIOCHEMISTRY LABORATORY	2.0	
A second semester biochemistry laboratory course which emphasizes modern instrumental techniques in use in the field of biochemistry. Experiments will include use of uvvis spectrophotometer for enzyme kinetics, ultracentrifugation, liquid scintillation counting, fluorescence spectrophotometry, electrophoresis, and high performance liquid chromatography.		
<i>Prerequisites: CHEM 470 and 472. Special fee.</i>		
<i>Corequisite: CHEM 471.</i>		
CHEM 490		
SELECTED TOPICS IN CHEMISTRY	2.0-3.0	
In-depth study of a modern aspect of chemistry.		
<i>Prerequisite: CHEM 231.</i>		
CHEM 491		
HONORS SEMINAR IN CHEMISTRY	2.0	
Seminars and discussions on selected areas in chemistry under faculty guidance for students enrolled in the honors program in chemistry.		
<i>Prerequisites: Admission to the honors program in chemistry or permission of the chemistry honors committee.</i>		
CHEM 492		
HONORS THESIS IN CHEMISTRY	2.0	
Preparation and oral presentation of a comprehensive written thesis in chemistry under guidance of a faculty mentor for completion of the honors program in chemistry.		
<i>Prerequisite: CHEM 491.</i>		
CHEM 495		
THE CHEMICAL LITERATURE	1.0	
Introduction to manual and computer-assisted searching of the chemical literature. Includes an individual laboratory project, submission of a written project report, and presentation of a seminar.		
<i>Prerequisites: CHEM 232.</i>		
<i>Corequisite: CHEM 233.</i>		
CHEM 496		
BIOCHEMISTRY LITERATURE	1.0	
Introduction to searching the biochemistry literature including computerized searches and exploration of on-line journals and interesting internet sites. After becoming familiar with modern methods of information retrieval, students will conduct individual literature searches and do a group presentation.		
<i>Prerequisite: CHEM 470.</i>		
<i>Corequisite: CHEM 471.</i>		
CHEM 498		
SENIOR LABORATORY	3.0	
Multi-disciplinary laboratory study of the synthesis, separation, and characterization of chemical compounds.		
<i>Prerequisite: CHEM 311, and 341, and 343.</i>		
CHEM 499		
UNDERGRADUATE RESEARCH	1.0-3.0	
Laboratory work on a specific problem in chemistry under guidance of a faculty sponsor.		
<i>Prerequisites: Departmental approval. Special fee.</i>		

CLASSICS AND GENERAL HUMANITIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Timothy Renner

Classics and General Humanities examine the culture, ideas, and values of earlier Western and related civilizations both in their original time periods and as they have been appropriated and transmuted by later cultures, especially American. The common goals of these programs are to develop a sense of how to conduct critical inquiry into past cultures and modern manifestations of their ideas and values; to impart a feeling for the recurring patterns but also enormous diversity of human culture; and to explore how past cultures form the basis for modern cultures and cultural attitudes.

The major and minor in Classics are broad programs in ancient civilization which study the history, languages, literature, philosophy art, religion, and daily life of the ancient Mediterranean world as seen through texts and artifacts. The major and minor in Latin emphasize the study of literature in the original language; the major requires study of Greek as well. The Latin (Teacher Education) major leads to certification to teach Latin and Classics in New Jersey secondary schools. The Greek minor emphasizes mastery of classical Greek and reading literature in the language. Additionally, the department is a cosponsor, together with the departments of Anthropology and Fine Arts, of the Archaeology minor. Its archeologists participate in the work of the Center for Archaeological Studies. (Refer to index for page number for the Archaeology Minor.)

The programs in Classics and General Humanities are interdisciplinary liberal arts concentrations which provide ideal preparation for careers in business, for professions such as law and medicine, and for graduate work in humanities and social sciences. (Note: Students who intend to do graduate work in classical studies may need additional language study and should consult with the department.)

Classics Major

Required Courses

	Semester Hours
GNHU281 Greek Civilization	3
GNHU282 Roman Civilization	3

Electives (Major)

- A. Select 5 courses from Latin (LATN) and Greek (GREK), including at least one course at the 200 level or above* 15
- B. Select 12 semester hours (including at least two classical studies topics courses) from the appropriate list to be obtained from the department 12
- Total Semester Hours: 33**

General Humanities Major

Please refer to the table of contents or index for the page number of this interdisciplinary major.

Latin Major

Required Courses

	Semester Hours
GREK 101,112 Beginning Greek I, II	6
6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age*	18
* Latin courses at the 200 level and above are taught on a four-year cycle.	

Electives (Major)

Select 3 courses from departmental list. GNHU 281 Greek Civilization, GNHU 282 Roman Civilization, and other GNHU courses dealing with ancient history, archaeology, and classical civilization are especially recommended 9

Total Semester Hours: 33

Latin Major

(Teacher Education)

Required Courses

6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age* 18

LATN 419 Methods of Teaching Latin 3

**Latin courses at the 200 level and above are taught on a four-year cycle.*

Electives (Major)

Select 4 courses from departmental list (GREK 101, 112 Beginning Greek I, II; GNHU 281 Greek Civilization; and GNHU 282 Roman Civilization are especially recommended) 12

Total Semester Hours: 33

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Latin

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the Center of Pedagogy. Specific requirements may be obtained from the department.

Latin Minor

Students will take 18 semester hours in Latin language and literature (LATN), to be chosen in consultation with a faculty advisor from the department.

Greek Minor

Students will take 18 semester hours in Greek language and literature (GREK), to be chosen in consultation with a faculty advisor from the department.

Classics Minor

Students will take 18 semester hours in the department. A list of recommended courses may be obtained from the department.

Courses of Instruction

Classical Civilization and General Humanities (All courses taught in English)

GNHU 115
TROY AND THE TROJAN WAR 3.0

For more than 3,000 years the story of the Trojan War has fascinated and attracted people throughout the world. Is the war completely "mythical?" How can different disciplines such as archaeology, linguistics, and the literature be combined to shed light on the historical reality that may lie behind the story as it first appears in Homer? How have the art and literature of other cultures, such as the Romans, the European Middle Ages, or the modern culture of television and movies interpreted and reused the story of Troy, and what can this adaptation tell us about these cultures.

GNHU 181
INTRODUCTION TO CLASSICAL ARCHAEOLOGY 3.0

The science of evaluating Greco-Roman and closely related cultures through observation and analysis of their physical remains. Problems and methods of dating artifacts and sites. Building materials, types, and decorations. Field trip in addition to illustrated lectures and discussions. Meets the General Education Requirement - Social Science, Topic Course.

- GNHU 182**
ENGLISH VOCABULARY: CLASSICAL ROOTS 3.0
 Systematic development of the student's knowledge of English vocabulary through study of the most important Greek and Latin roots, prefixes, suffixes, and other elements and the ways in which they are used to form words in English.
- GNHU 201**
GENERAL HUMANITIES I (TO 1400) 3.0
 A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets the General Education Requirement-Humanities, General Humanities.
- GNHU 202**
GENERAL HUMANITIES II (FROM 1400) 3.0
 A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets the General Education Requirement-Humanities, General Humanities.
- GNHU 211**
CLASSICISM AND AMERICAN CULTURE 3.0
 Through the critical analysis of texts ranging from translations of Greco-Roman authors to works on the nature of Western and non-Western culture, the course examines how politicians, novelists, critics, and educators from the 17th century to the present have interpreted the classical past and have viewed it as reflecting their own values or ideals. The course considers classicism both as it has been appropriated by Americans specifically and as a phenomenon common to many cultures. Meets the General Education Requirement-Humanities, General Humanities.
- GNHU 281**
GREEK CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman conquest as seen through literary, documentary and archaeological sources. Cross listed with History, HIST 281. Meets the General Education Requirement - Social Science, American/European History.
- GNHU 282**
ROMAN CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary, and archaeological sources. Cross listed with History, HIST 282. Meets the General Education Requirement—Social Science, American/European History.
- GNHU 285**
MYTHOLOGY 3.0
 The nature and interpretation of mythology, primarily as seen through the myths of Greece and Rome. Selected comparative study of myths of the Near East, Iran, India and other cultures. Meets the General Education Requirement - Humanities, General Humanities.
- GNHU 289**
FRANCOPHONE FILM 3.0
 This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to postcolonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FREN 289 and FRIN 289. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- GNHU 361**
SELECTED TOPICS IN MEDITERRANEAN ARCHAEOLOGY 3.0
 The course consists of in-depth study of the archaeological evidence for a selected period, region, or other thematic topic within the ancient Mediterranean world broadly defined. Special attention will be given to the role which archaeology plays in reconstructing the history of past cultures and to the Mediterranean archaeologist's frequent need to reconcile ancient written evidence with archaeologically obtained data.
- GNHU 362**
FIELD METHODS IN MEDITERRANEAN ARCHAEOLOGY 3.0
 This course is a practical introduction to how archaeology is conducted in the field at an ancient site in the Mediterranean world. Students learn basic techniques of surveying, digging, artifact removal and processing, and on-site record keeping as well as the overall organization of an archaeological project in the field. The course is given on-site at an appropriate excavation location. *Prerequisite: One of the following: A previous course in some aspect of Mediterranean archaeology; previous archaeological fieldwork experience; or departmental approval.*
- GNHU 383**
WOMEN IN ANTIQUITY 3.0
 Women in the ancient world and their contributions to history, literature, philosophy and the arts. Emphasis on Greco-Roman Civilization, with comparative study of other ancient cultures. Meets the Multicultural Awareness Requirement.
- GNHU 384**
INTRODUCTION TO ROMAN LAW 3.0
 The role of law in Roman history and society. Social structure and family law. The law and slavery. Property, contracts, and delicts. Legal forms, legal fictions, and the response of law to new conditions. Roman law in the Medieval and Modern periods.
- GNHU 391**
COOPERATIVE EDUCATION FOR THE LIBERAL ARTS 4.0-8.0
 The aim of this course is to provide liberal arts students with the opportunity to apply their academic knowledge and skills in a professional setting. To meet this aim, the course combines supervised employment experience with seminars and writing assignments. Seminar discussion topics include the meaning of work and success; relationships with co-workers and supervisors; ethical issues in the workplace; problem-solving experiences; the importance of career role models; and the student's changing perceptions of the workplace. *Prerequisites: Completion of 45 credits prior to enrollment with a minimum grade point average of 2.0; permission of the Office of Cooperative Education.*
- GNHU 470**
SEMINAR IN CLASSICAL HUMANITIES 3.0
 Topic to be selected according to faculty and student interest and developed through an interdisciplinary approach. *Prerequisite: Departmental approval.*
- GNHU 480**
INDEPENDENT STUDY IN GENERAL HUMANITIES 1.0-4.0
 Directed independent study and research in General Humanities. May be elected in lieu of GNHU 499, *Senior Humanities Seminar*, in years when the seminar is not being offered.
- GNHU 499**
SENIOR HUMANITIES SEMINAR 4.0
 A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem rising from his or her concentration. *Prerequisite: Senior standing as a General Humanities major.*
- Greek**
- GREK 101**
BEGINNING GREEK I 3.0
 The fundamentals of ancient Greek grammar. Reading of simple texts. Meets the General Education Requirement - Foreign Language. *Prerequisite: Special fee.*
- GREK 112**
BEGINNING GREEK II 3.0
 The continuation of beginning Greek I. The fundamentals of grammar and reading of selected texts. Meets the General Education Requirement - Foreign Language. *Prerequisite: GREK 101 or equivalent. Special fee.*
- GREK 121**
INTERMEDIATE GREEK I 3.0
 Review of grammar. Selected readings from Greek prose and poetry. Meets the General Education Requirement - Foreign Language. *Prerequisite: GREK 112 or equivalent. Special fee.*

GREK 132
INTERMEDIATE GREEK II 3.0
Review of grammar. Selected readings from Greek prose and poetry. Meets the General Education Requirement - Foreign Language.
Prerequisite: GREK 121 or equivalent. Special fee.

GREK 261
GREEK NEW TESTAMENT 3.0
Selected readings from the New Testament with attention to historical context and to the nature and development of Koine Greek.
Prerequisite: GREK 132 or equivalent.

GREK 262
GREEK EPIC POETRY 3.0
Representative selections from the Iliad and Odyssey. Homer as an oral poet.
Prerequisite: GREK 132 or equivalent.

GREK 351
ATTIC ORATORS 3.0
Representative works of Lysias, Isocrates, Demosthenes, and others. The orators as stylists and as a source for political and social history.
Prerequisite: GREK 132 or equivalent.

GREK 352
GREEK TRAGEDY 3.0
Selected plays of Aeschylus, Sophocles, and Euripides. The metrics, style, themes, and structure of Attic tragedy. The influence of the Greeks on Western drama.
Prerequisite: GREK 132 or equivalent.

GREK 361
GREEK HISTORIANS 3.0
Readings from Herodotus, Thucydides, and Xenophon. The development of Greek historiography as a literary genre and as a medium for reporting events.
Prerequisite: GREK 132 or equivalent.

GREK 451
GREEK PHILOSOPHERS 3.0
Selected readings, especially from Plato's dialogues concerning the trial and death of Socrates. The Greek philosophical tradition and its development in the archaic and classical periods.
Prerequisite: GREK 132 or equivalent.

Latin

LATN 101
BEGINNING LATIN I 3.0
The fundamentals of classical Latin grammar. Reading of simple Latin texts. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.

LATN 112
BEGINNING LATIN II 3.0
The continuation of *Beginning Latin I*. Fundamentals of Latin grammar and reading of selected texts. Meets the General Education Requirement - Foreign Language.
Prerequisite: LATN 101 or equivalent. Special fee.

LATN 121
INTERMEDIATE LATIN I 3.0
Review of grammar. Selected readings from Latin prose and poetry. Meets the General Education Requirement - Foreign Language.
Prerequisite: LATN 112 or equivalent. Special fee.

LATN 132
INTERMEDIATE LATIN II 3.0
Review of grammar. Selected readings from Latin prose and poetry. Meets the General Education Requirement - Foreign Language.
Prerequisite: LATN 121 or equivalent. Special fee.

LATN 201
LATIN LITERATURE OF THE REPUBLIC 3.0
A historical survey of the highlights of Latin literature from its beginnings to the death of Cicero. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the General Education Requirement - Foreign Language.
Prerequisite: LATN 132 or equivalent.

LATN 202
LATIN LITERATURE OF THE GOLDEN AGE 3.0
A historical survey of the highlights of Latin literature from the second triumvirate through the early Julio-Claudian period. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the General Education Requirement - Foreign Language.
Prerequisite: LATN 132 or equivalent.

LATN 203
LATIN LITERATURE OF THE SILVER AGE 3.0
A historical survey of the highlights of Latin literature from the Neronian period through the second century of the Christian era. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the General Education Requirement - Foreign Language.
Prerequisite: LATN 132 or equivalent.

LATN 204
LATIN LITERATURE OF THE MIDDLE AGES 3.0
The highlights of Latin literature from the disintegration of the Roman Empire in the West to the beginning of the Renaissance. Selections from poetry, history, philosophy, theology, and popular literature will be read with attention to style, development of the language, and historical context.
Prerequisite: LATN 132 or equivalent.

LATN 252
ROMAN DRAMA 3.0
Selected comedies of Plautus and Terence with attention to style, form, dramatic technique, and literary ancestry. The influence of Roman comedy on subsequent European drama.
Prerequisite: LATN 132 or equivalent.

LATN 253
THE EPIC AND VERGIL 3.0
Readings primarily from the Aeneid but including selections from the Georgics and Eclogues. Vergil as a literary artist and his role in the development of the epic in Western literature.
Prerequisite: LATN 132 or equivalent.

LATN 254
ROMAN LYRIC POETRY 3.0
Readings from the lyrics of Catullus and Horace, with particular emphasis on style, themes, and metrics.
Prerequisite: LATN 132 or equivalent.

LATN 261
ROMAN BIOGRAPHY 3.0
The biography as a genre: selected passages from Sallust, Tacitus, Suetonius; contrasting these works with autobiographical evidence for the letters and excerpts of other Latin authors.

LATN 351
ROMAN HISTORIANS 3.0
Selected readings from Sallust, Livy, and Tacitus. The development of Roman historiography in the context of Roman history and the Greek historiographical background.
Prerequisite: LATN 132 or equivalent.

LATN 419
METHODS OF TEACHING LATIN 3.0
The history of methodology together with new approaches and techniques. The development of a Latin curriculum, including evaluation of textbooks and construction of lesson plans, reviews, and tests.
Prerequisite: Three Latin courses at the 200 level or above.

LATN 478
ADVANCED LATIN READINGS: SELECTED TOPICS 3.0
Intensive reading and critical study of a selected author, genre, period, or theme in Latin literature. Topic to be announced each semester. May be repeated for credit with different topics.
Prerequisite: Departmental approval.

COMMUNICATION SCIENCES AND DISORDERS

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Joseph S. Attanasio

For Prospective Students:

The undergraduate program in communication sciences and disorders is no longer offered. The Certificate of Clinical Competence of the American Speech-Language-Hearing Association and the NJ licenses in Speech-Language Pathology require the completion of a master's degree. Prospective students are urged to attend Montclair State at the undergraduate level and then matriculate for the master's degree. The master's degree is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Although any undergraduate major can serve as a foundation for master's degree work, students should consider majors or minors that have coursework compatible with graduate study in speech pathology. Such majors/minors include but are not limited to biology, English, family and child studies (Department of Human Ecology), linguistics, music therapy, psychology, sociology, communication studies (Department of Speech Communication). Students who wish to enter the field of speech-language pathology will need to present evidence that they have taken course work in the following areas: biological/physical sciences; mathematics; and behavioral/social sciences. Students are required to take a minimum of three semester hours in each area.

For undergraduate students who attend Montclair State and who wish to pursue a master's degree in speech/language pathology, a fifteen semester hour cluster of courses will be available to be taken during the senior year. These courses are designed to act as a bridge between undergraduate preparation and master's degree work.

To be taken in the Fall semester

CS&D 408 Phonetic Study of Speech Sounds

CS&D 409 Anatomy and Physiology of Speech & Hearing Systems

CS&D 410 Neurophysiological Bases of Communication

To be taken in the Spring semester

CS&D 500 Speech and Language Acquisition

CS&D 534 Speech and Hearing Science

In addition, students who are undergraduates at Montclair State University may take the courses listed below in preparation for master's degree level work:

PSYC 235 Psychology of Exceptional Children and Youth

CURR 400 Teacher School and Society (required for New Jersey certification as a Speech-Language Specialist)

Prospective students are urged to contact the Department of Communication Sciences and Disorders for advisement during the sophomore or junior year.

Courses of Instruction

CS&D 408

PHONETIC STUDY OF SPEECH SOUNDS

3.0

The articulation of sounds of American English, developing an understanding of articulatory features using the international phonetic alphabet.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 409

ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING SYSTEMS

3.0

The anatomical and physiological bases of respiration, phonation, articulation and resonance. The anatomy and physiology of the auditory mechanism.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 410

NEUROPHYSIOLOGICAL BASES OF COMMUNICATION

3.0

Study of the anatomy and physiology of the nervous system as it relates to the development of hearing, vision, thought, memory and emotions, as well as the perception, processing and production of speech and language.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 500

SPEECH AND LANGUAGE ACQUISITION

3.0

The nature of language and language development in young children. Acquisition of phonological, semantic and syntactic systems studied in framework of biological, cognitive, and linguistic theory.

Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 534

SPEECH AND HEARING SCIENCE

3.0

Study of basic acoustics, memory, and perception. Advanced study of anatomy and physiology of the speech and hearing mechanisms. Commonly used instrumentation will be discussed.

Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

COMPUTER SCIENCE

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Dorothy Deremer

Knowledge of Computer Science is increasingly important for understanding and participating in society. The Bachelor of Science degree stresses the role of computing as a discipline and as a profession. Students in the major may focus their interests through the Concentration in Professional Computing (CPC) or the Informatics Concentration. CPC is nationally accredited. Students are prepared for technical professions or to continue their studies in graduate school. Qualified students may participate in the honors program in Computer Science. The department includes a chapter of Upsilon Pi Epsilon, the national honor society in computer science.

Detailed information about programs, independent study, cooperative education, transfer credit, and advanced placement credit is available from the coordinator of undergraduate advising.

Computer Science Major

Required Courses

CMPT 183	Foundations of Computer Science I	3
CMPT 184	Foundations of Computer Science II	3
CMPT 280	Assembly Language and Computer Architecture	3
CMPT 281	Theory of Digital Machines	3
CMPT 285	Discrete Mathematical Structures	3
CMPT 287	Data Structures and Algorithms	3
CMPT 381	File Processing	3
CMPT 384	Systems Software	3

Collateral Courses

Mathematics

MATH 122	Calculus I	4
MATH 221	Calculus II	4
MATH 335	Elements of Linear Algebra	4
MATH 340	Probability	3

One of these four sequences

1.	PHYS 191, 192 University Physics I, II	4 ea.
2.	CHEM 120, 121 General Chemistry I, II	4 ea.
3.	ACCT 201, 202 Fundamentals of Accounting I, II	3 ea.
	MGMT 231 Management Processes	3
4.	ECON 101, 102 Principles of Economics: Macro, Micro	3 ea.
	MGMT 231 Management Processes	3

Note: The department recommends that students consider taking a second and possibly third sequence in collateral courses, as well as technical and scientific writing courses. Independent study in advanced areas is available.

Computer Science Major Electives

Select 9 semester hours from the appropriate list to be obtained from the department 9

Informatics Concentration

This concentration is intended for students whose interest lies in those areas of computing that deal with designing, implementing and maintaining information systems. To qualify for this concentration students must complete the required CMPT courses (24 s.h.), and the collateral MATH courses (15 s.h.) for the computer science major as well as the following:

Required Courses

	Semester Hours
CMPT 261	Business Data Processing 3
CMPT 382	Systems Analysis and Design 3
CMPT 387	Principles of Data Communication 3
CMPT 483	Database Systems 3

Collateral Courses

ECON 101	Principles of Economics: Macro	3
ECON 102	Principles of Economics: Micro	3
MGMT 231	Management Processes	3

Electives

Select one course from the following:

CMPT 472	Computer Graphics	3
CMPT 474	Software Engineering	3
CMPT 481	Operating Systems	3
CMPT 484	Fundamentals of Programming Languages	3
CMPT 485	Compiler Construction	3
CMPT 486	Design of Computer Interfaces	3
CMPT 487	Local Area Networks (LANs)	3
CMPT 493	Advanced Database Theory	3
CMPT 499	Cooperative Education in Computer Science	3-8

Note: The Department recommends that students in the Informatics Concentration take either CMPT 487 or CMPT 493 as the elective.

Professional Computing Concentration

This concentration provides depth and breadth in theory, abstraction, and design in the context of computer science as a discipline and a profession. CPC is accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board which is recognized by the Council of Postsecondary Accreditation and the United States Department of Education. CSAC is sponsored by the Institute of Electrical and Electronics Engineers Computer Society (IEEE-CS) and the Association for Computing Machinery (ACM). To qualify for CPC, students must complete the Computer Science major required courses (24 s.h.), collateral courses in Mathematics (15 s.h.) for the Computer Science major, as well as the following:

Collateral Courses

One of the following sequences:

1.	PHYS 191, 192 University Physics I, II	8
2.	CHEM 120, 121 General Chemistry I, II	8
3.	BIOL 140 and either BIOL 120 or 130	8

AND 2 Non-lab courses for Science Majors 6
(See the department for an approved list of courses.)

Required Advanced Computer Science Courses

CMPT 385	Computer System Organization	3
CMPT 387	Principles of Data Communications	3
CMPT 481	Operating Systems	3
CMPT 484	Fundamentals of Programming Languages	3

Computer Science Electives

Select 3 courses (9 s.h.) from the list of approved courses which is available from the department.

Computer Science Minor

Students may earn a minor in computer science by satisfactorily completing an 18 semester hour program which includes CMPT 183, 184, 280, 285, 287, and one other approved CMPT course. See the department's coordinator of undergraduate advising for the list of approved courses. At least 9 semester hours must be taken at Montclair State University.

Courses of Instruction

- CMPT 107**
COMPUTERS AND SOCIETY 2.0
 The impact of the digital computer on modern society. Use of application packages and computer language for problem solving. Computer organization. History of computation. Not for math/computer science majors. Meets the General Education Requirement - Mathematics, Computer Science.
Prerequisite: MATH 051 or satisfactory score on both of the mathematical components of the MSUP. Special fee.
- CMPT 108**
COMPUTERS AND PROGRAMMING 3.0
 Develop programming competence in a language such as BASIC or Pascal and an introduction to the use of a word processing package. Problems will be primarily of a non-mathematical nature. Discussion of the impact of the computer revolution on society. Not for mathematics or computer science majors. Meets the General Education Requirement - Mathematics, Computer Science.
Prerequisite: MATH 051 or MATH 061 or satisfactory score on both of the mathematical components of the MSUP. Special fee. Gen ed.
- CMPT 109**
INTRODUCTION TO COMPUTER APPLICATIONS 3.0
 An introduction to the use of word processing spread sheet and data base packages plus a discussion of the impact of computers on society. Not for mathematics major elective credit or computer science major elective credit. Meets the General Education Requirement - Mathematics, Computer Science.
Prerequisite: MATH 051 or MATH 061 or satisfactory score on both of the mathematical components of the MSUP. Special fee.
- CMPT 112**
HONORS SEMINAR IN COMPUTING 3.0
 Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word processing, spreadsheets, data bases, and communications. Cross listed with Honors Program, HONP 112. Meets the General Education Requirement - Mathematics, Computer Science.
Prerequisite: Departmental approval.
- CMPT 183**
FOUNDATIONS OF COMPUTER SCIENCE I 3.0
 Basic theory of digital computers. Syntax and semantics of a programming language. Algorithms: logic, design, testing and documentation. Meets the General Education Requirement - Mathematics, Computer Science.
Prerequisite: MATH 112. Special fee.
- CMPT 184**
FOUNDATIONS OF COMPUTER SCIENCE II 3.0
 Continuation of CMPT 183. Algorithm development involving user functions; subroutines, recursions, structures file manipulation.
Prerequisite: CMPT 183.
- CMPT 261**
BUSINESS DATA PROCESSING 3.0
 Applications in accounts receivable, payroll and inventory; language COBOL. Not for major elective credit.
Prerequisite: CMPT 183.
- CMPT 280**
ASSEMBLY LANGUAGE AND COMPUTER ARCHITECTURE 3.0
 Computer structures, the conventional machine level, introduction to assembler language.
Prerequisite: CMPT 184.
- CMPT 281**
THEORY OF DIGITAL MACHINES 3.0
 Microprogramming level of a computer, the operating system level, gates, sequential and combinational circuits, flip-flops, registers, number codes.
Prerequisite: CMPT 280 and 285.
- CMPT 285**
DISCRETE MATHEMATICAL STRUCTURES 3.0
 The structures include sets, graphs, digraphs, trees, networks, lattices, matrices, semigroups and groups. Many practical business and scientific problems can be posed and solved by the use of these structures.
Prerequisite: MATH 112.
- CMPT 287**
DATA STRUCTURES AND ALGORITHMS 3.0
 Data structures including linear lists, strings, trees, chains, paging, data base design, storage systems, and structures.
Prerequisites: CMPT 184 and CMPT 285.
- CMPT 296**
TOPICS IN A PROGRAMMING LANGUAGE 1.0
 An introduction to a selected programming language with a view to learn the most important structures in that language. Each time the course is offered only one programming language will be taught, but the language could vary from one semester to another. The course could be taken more than once by the same student, provided the languages are different.
Prerequisite: CMPT 184. May not be used for major credit by mathematics or computer science majors.
- CMPT 363**
INTRODUCTION TO NUMERICAL COMPUTING 3.0
 Fundamentals of numerical computation, with emphasis on basic algorithms and their efficient implementation: appropriate treatment of theoretical bases. Topics include floating point arithmetic, roundoff error and propagation, numerical solution of nonlinear equations, interpolation and approximation, and numerical integration. The FORTRAN language will be taught and used in programming assignments.
Prerequisite: CMPT 183 and MATH 221.
- CMPT 381**
FILE PROCESSING 3.0
 Secondary storage and its physical constraints. Types of fields and records. Sequential, direct, indexed, ISAM, and VSAM file organization. Sequential, random, and secondary access methods. Searching, sorting, updating and retrieving from files. File maintenance.
Prerequisite: CMPT 287.
- CMPT 382**
SYSTEM ANALYSIS AND DESIGN 3.0
 A major project includes forms design, sequential files, files, merge, sort, and editing programs.
Prerequisite: CMPT 184.
- CMPT 384**
SYSTEMS SOFTWARE 3.0
 Design and implementation of assemblers, linkage editors and loaders, libraries, macro processors, and text editors; their relationship to an operating system.
Prerequisite: CMPT 280 and CMPT 287.
- CMPT 385**
COMPUTER SYSTEM ORGANIZATION 3.0
 Introduction to chip technology, microprocessors, microcomputers, architecture, instruction sets and programming of microcomputers, and other bus-oriented computers.
Prerequisite: CMPT 281.
- CMPT 387**
PRINCIPLES OF DATA COMMUNICATIONS 3.0
 Fundamentals of data communication topics. Analog digital, broadband-baseband, TDM-FDM, AM-FM techniques. Error codes and protocols.
Prerequisite: CMPT 281.
- CMPT 388**
FOUNDATIONS OF ARTIFICIAL INTELLIGENCE 3.0
 A general, comprehensive coverage of the main areas constituting the field of artificial intelligence, introduction of computer vision, natural language, processing (NLR), pattern recognition and neural networks.
Prerequisite: CMPT 384.

CMPT 472
COMPUTER GRAPHICS 3.0
An introduction to computer graphics, including the algorithms to generate two-dimensional and three-dimensional graphical pictures. An overview of interactive graphics and graphics devices.
Prerequisites: CMPT 287 and MATH 335.

CMPT 474
SOFTWARE ENGINEERING 3.0
This course is designed to introduce the principles and methods for the design, coding, and verification of large software systems. Topics include software design techniques, programming methodology, programming testing, and software reusability.
Prerequisites: CMPT 381 and 384.

CMPT 481
OPERATING SYSTEMS 3.0
Process Management. Process synchronization and deadlock prevention. Memory Management. Interrupts processing. I/O Control.
Prerequisite: CMPT 281 and CMPT 384.

CMPT 483
DATABASE SYSTEMS 3.0
A comprehensive collection of database organizations and design tools: file organizations and evaluations, database structures, schemata and implementations. Database security, operations and management.
Prerequisites: CMPT 381.

CMPT 484
FUNDAMENTALS OF PROGRAMMING LANGUAGES 3.0
Syntax and semantics of modern programming languages with emphasis on programming in the large, functional, logic, and object-oriented paradigms. Common threads found in both imperative and non-imperative languages discussed.
Prerequisite: CMPT 384.

CMPT 485
COMPILER CONSTRUCTION 3.0
Introduction to the concepts and techniques used in the description of programming languages and in the construction of compilers.
Prerequisites: CMPT 484.

CMPT 486
DESIGN OF COMPUTER INTERFACES 3.0
Basic digital and analog computing circuits and interface circuits, computer-telecommunication interfaces.
Prerequisite: CMPT 385.

CMPT 487
LOCAL AREA NETWORKS (LAN'S) 3.0
Overview, topology, taxonomy, transmission, technology media and control protocols of microcomputer LAN's.
Prerequisite: CMPT 387.

CMPT 490
HONORS SEMINAR IN COMPUTER SCIENCE 3.0
Topics not usually covered within standard computer science courses. A written and an oral report are required.
Prerequisites: CMPT 287 and MATH 335 and departmental approval.

CMPT 493
ADVANCED DATABASE THEORY 3.0
This course continues the introduction to data management. Topics include: security, integrity, concurrency and recovery, query optimization, file structures and other performance issues.
Prerequisite: CMPT 483.

CMPT 495
TOPICS IN COMPUTER SCIENCE FOR UNDERGRADUATES 1.0-3.0
Study of specialized topics in computer science.
Prerequisites: CMPT 287 and departmental approval.

CMPT 497
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE I 1.0-3.0
Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498.
Prerequisites: CMPT 281 and MATH 335 and departmental approval.

CMPT 498
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE II 1.0-3.0
Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498.
Prerequisites: CMPT 281 and MATH 335 and departmental approval.

CMPT 499
COOPERATIVE EDUCATION IN COMPUTER SCIENCE 3.0-8.0
The study of theoretical ideas of computer science combined with their practical applications in a real life environment. The co-op experience is a semester working off-campus under the guidance of a company supervisor, and a faculty supervisor. Only 3 of the 8 credits may be used to fulfill the major requirement.
Prerequisites: CMPT 381 or 384 and departmental approval.

COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Arlene King

Students enrolled in one or more courses offered by the Department of Counseling, Human Development and Educational Leadership will broaden their knowledge and skills in the areas of communication, careers, leadership abilities training, value clarification, group and/or team building and interpersonal interaction. These courses, with the general aim of building foundations for a life open to learning and enrichment, are designed to serve students from varied fields and interests. Four of these courses—Group Dynamics, Personal Values, Career Consciousness, and Dynamics of One-to-One Communication—are General Education Requirement possibilities. Among other courses offered by the department are those dealing with counseling techniques used in the alcoholism recovery process.

For those students wishing to further supplement their chosen major and professional development, an 18-credit Human Services Minor has been developed. This minor will help students increase their communication skills to be used in their own areas of specialization, as well as better comprehend theoretical foundations of both group and one-to-one interaction. They will facilitate the acquisition of skills, knowledge and self-confidence necessary to become more effective leaders and helping professionals.

This department also offers Masters' degrees with specializations involved in guidance, counseling, human services, school social work, school administration and supervision, and organizational training.

Human Services Minor

Advisor: Tete Tetens

Required Courses

	Semester Hours
COUN 331 Group Dynamics	3
COUN 330 Dynamics of One-to-One Communication	3
COUN 329 Theories and Techniques of Group Process	3
COUN 434 Facilitating the Interactive Process II	3

Electives

Select 6 semester hours in consultation with and approval of the advisor in Counseling, Human Development and Educational Leadership.

Courses of Instruction

COUN 327

EXPERIMENT IN COMMUNITY LIVING

3.0

The goal of the program is to integrate living and learning more closely by creating an atmosphere in which living is the experience that is the main source of learning. A seminar will provide the interpersonal and community skills necessary to enhance community living. Within the context of the seminar, the group will study and evaluate the process by which the community forms, through examination of the available literature and the living experience.

COUN 329

THEORIES AND TECHNIQUES OF GROUP PROCESSES

3.0

Given that we function in groups of all sizes and of various purposes throughout life, this course provides an understanding of the underlying dynamics of groups and provides the opportunity to relate the theories of group development to the actual group process.

COUN 330

DYNAMICS OF ONE-TO-ONE COMMUNICATION

3.0

This course is designed to examine the dynamics of one-to-one communication through readings and experientially. The course will further develop personal goals for optimizing personal communication and assist in establishing strategies for the attainment of these goals. Meets the General Education Requirement - Electives, Personal/Professional Issues.

COUN 331

GROUP DYNAMICS

3.0

This course is a seminar laboratory experience designed to facilitate human relationships. Focus is on individual behavior in groups. Participation in actual group process provides opportunity for development of insight into the effects of one's behavior on others. Meets the General Education Requirement - Electives, Personal/Professional Issues.

COUN 332

ACTION APPROACHES TO PERSONAL AWARENESS

3.0

Designed to increase personal awareness and to assist in developing skills needed to maximize individual growth in human interaction. Through the use of psychodrama and order action oriented techniques, students will have the opportunity to experience and develop strategies for working beyond barriers to effective interaction.

COUN 333

LEADERSHIP TRAINING

3.0

This course will demonstrate and utilize the special skills required for effective leadership. The course is offered as Pass/Fail only.

COUN 413

INTRODUCTION TO NEUROLINGUISTIC

PROGRAMMING AND ERICKSONIAN TECHNIQUES

3.0

A laboratory based course which will introduce students to the history, theory and applications in the field of NLP and Ericksonian techniques.

COUN 430

INTERACTION ANALYSIS

3.0

The purpose of this course is to help participants become more objective in their observations and reporting of interactions which they witness or in which they participate. Various observational tools and methods will be used in the gathering of objective data on three kinds of interaction (interpersonal, small group, and classroom).

COUN 432

PERSONAL VALUES

3.0

Designed to help each participant undertake a personal exploration of his own values, what they are and how he got them, and then consider alternatives available. Meets the General Education Requirement - Electives, Personal/Professional Issues.

COUN 433

FACILITATING THE INTERACTIVE PROCESS I

3.0

Through observation, lectures, seminars and readings, students will gain understanding of the influence of norms, leadership styles, peers, and other factors on the development of a cohesive group. This experience is preparation for working facilitatively in small groups.

COUN 434

FACILITATING THE INTERACTIVE PROCESS II 3.0

This course provides the opportunity for students to gain much practical experience in leading groups. Students will be expected to co-lead groups with staff members and be available to assist in all learning endeavors.

COUN 450

INTRODUCTION TO ALCOHOL/DRUG COUNSELING 3.0

Focuses on alcohol and other drug dependency treatment and fundamental issues of intake, assessment, individual, group and family counseling. Symptoms of the illness, various treatment modalities and relapse crises, as well as "twelve step" programs are explored. Discusses the role of the substance awareness coordinator in intervention and referral, as well as ethics and confidentiality.

COUN 451

COUNSELING THE RECOVERING ALCOHOLIC 3.0

A comprehensive survey of concepts and complexities generic to alcohol related dysfunctions. The course investigates contemporary counseling theories and practices compatible with the pathology of the alcoholic. Emphasis is on helping prospective human service professionals develop behavioral skills germane to appropriate counseling intervention.

COUN 452

PRACTICUM IN ALCOHOLISM COUNSELING 3.0

This course provides students with a supervised practicum in a human service agency which treats alcoholics. Under supervision of a certified counselor, they will observe and participate in the agency activities. Students will also examine the interactions of other health professionals, community resources and services available to the client in his/her recovery.

Prerequisites: COUN 450 and 451.

COUN 453

FIELD WORK IN ALCOHOLISM COUNSELING 3.0

This course will integrate student learnings in counseling the alcoholic. Students will re-examine major counseling theories in alcoholism and will also plan and implement counseling sessions under supervision.

Prerequisites: COUN 452.

COUN 454

COMMUNITY RESOURCES IN ALCOHOLISM AND SUBSTANCE ABUSE COUNSELING 3.0

Examines how inpatient and outpatient community resources in substance abuse treatment are integrated with other social service agencies. The cultural milieu of the schools and education and prevention with families and adolescents is emphasized. Discusses ethics, policy setting, staff training and curriculum development.

COUN 481

THE LEGAL RIGHTS OF WOMEN 3.0

This course will include some historical background for clearer understanding of what the changes in laws mean for women and men. Discussion and study of the effect of affirmative action, civil rights legislation and titles VI and IX will be included. Legal rights in the areas of education, employment, finances and credit, property ownership, marriage and divorce, health care, pensions and criminal law will be covered. Meets the Multicultural Awareness Requirement.

CURRICULUM AND TEACHING

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Richard Wolfson

The mission of the department of Curriculum and Teaching is the professional education of public school teachers. Its faculty offers courses in the professional education sequence. Special care has been taken in the development of the field experience courses. In order to support the continuing professional growth of teachers, there are programs and courses at the graduate level.

The Teacher Education, Post-Baccalaureate Certification, Master of Arts in Teaching Degree and Master of Education Degree programs are described elsewhere in this catalog (see index).

Courses of Instruction

CURR 200

INITIAL FIELD EXPERIENCE 1.0

An introductory course in the professional education sequence. Classroom instruction and visits to public schools will provide students the opportunity to examine public education from a professional perspective. (This course is required before full admission to Teacher Education.)

CURR 400

TEACHER, SCHOOL AND SOCIETY 3.0

An overview of the field of education, includes a consideration of instructional, curricular, legal and professional issues affecting teachers, schools and society as well as implications for students.

CURR 402

SEMINAR IN PROFESSIONAL EDUCATION 1.0

Part of the professional semester. It provides an opportunity to discuss problems encountered in teaching with peers and supervisors and to find practical solutions to problems experienced. Placement in professional semester field center. Course only open to student teachers.

Prerequisite: CURR 410 or CURR 500.

Corequisite: CURR 435, and 411, or 414, or 416, or 417.

CURR 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teacher to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with EDFD 409 and READ 409.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

CURR 410

INTERMEDIATE FIELD EXPERIENCE IN EDUCATION 1.0-3.0

Thirty hours per credit in a public school as assistant to the classroom or subject teacher. Observing, working with individuals and small groups of students, helping with clubs and student activities, teaching 'mini-lessons' and becoming familiar with teacher activities. Each student keeps a log of activities. Class meetings on campus during the experience are arranged.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

CURR 411

SUPERVISED STUDENT TEACHING 8.0

Student teaching in the public schools of New Jersey is required of all students who complete the regular program of certification requirements. Part of professional semester.

Corequisites: CURR 402 and CURR 435.

CURR 412

FIELD WORK IN URBAN EDUCATION

1.0-3.0

Similar to CURR 410 with emphasis on tutoring and individual conferences in urban public school. Student keeps a log of activities. Class Meetings on campus. Meets the Multicultural Awareness Requirement.

Prerequisite: Departmental approval.

CURR 414

IN-SERVICE SUPERVISED TEACHING I

4.0

Replaces supervised student teaching for those employed in teaching situations without standard certification. Joint supervision by the school district and university personnel. Student must have permission of department chairperson and the school district.

Prerequisite: Departmental approval.

Corequisite: CURR 402.

CURR 415

IN-SERVICE SUPERVISED TEACHING II

4.0

Continuation of In-Service supervised Teaching I; the corequisite seminar is replaced by a series of special in-service conferences included in the course.

Prerequisite: Departmental approval.

CURR 416

SUPERVISED STUDENT TEACHING FOR SPEECH-LANGUAGE SPECIALIST STUDENTS

3.0

Student teaching experience for students in the Speech-Language Pathology Program who are seeking the Speech-Language Specialist teaching certificate. Students spend thirteen weeks in school-based field sites, log a minimum of 100 clinical hours, and participate in the cooperating school clinician's schedule (e.g. child study team meetings, parent conferences).

Prerequisite: Departmental approval

CURR 417

MUSIC EDUCATION SUPERVISED STUDY I

4.0

Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight credits required for certification. Limited to Music majors.

Prerequisite: Departmental approval.

CURR 418

MUSIC EDUCATION SUPERVISED STUDY II

4.0

Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight semester hours required for certification. Limited to Music majors.

Prerequisite: Departmental approval.

CURR 423

TEACHING IN URBAN SCHOOLS

3.0

Focuses on factors affecting teaching and learning in urban schools. Topics include the nature and structure of urban schools, recent innovations in urban settings, mores and family patterns in the inner city, and funding opportunities. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

CURR 435

EFFECTIVE TEACHING/PRODUCTIVE LEARNING

3.0

The course is designed for students preparing for and subsequently participating in the teaching internship. It will develop basic teaching skills which the research literature indicates are related to productive learning outcomes. The skill areas are those of communication, motivation, classroom discipline, learning and cognitive development, media usage, multi-cultural education, curriculum, and evaluation and practical research. Part of the professional semester.

Corequisites: CURR 402; and CURR 411 or 414 or 415 or 417.

Technology Education Major

Required Courses

	Semester Hours
ISED 101 Technology and Culture: Past, Present and Future	3
INDS 202 Design: Fundamentals and Problem Solving	3
INDS 203 Technical Graphics	3
INDS 204 Communication Technology	3
INDS 205 Scientific Principles of Technology	3
INDS 207 Construction Technology	3
INDS 208 Energy, Power and Transportation	3
INDS 261 Introduction to Manufacturing and Materials Processing	3

Advanced Specialization

Select 22 semester hours of 300 and 400 level courses from within the department offerings (INDS) in consultation with program advisor.

Teacher Education Professional Sequence

Students wishing teacher certification in this area must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Special Program Requirements

Vocational-Technical Teacher Education Program

This is a non-degree program that offers courses and guidance for students who want certification to teach vocational-technical subjects in secondary schools. Candidates must have a high school diploma or equivalency, experience in a trade, industrial occupation, or profession they would like to teach, and approved training in the field. General background courses, professional education and supervised in-service teaching are all included. For further information, call the department.

Courses of Instruction

INDS 202
DESIGN: FUNDAMENTALS AND PROBLEM SOLVING 3.0
Creativity, brainstorming, problem-solving and analysis-consideration application to practical problems in designing with materials.

INDS 203
TECHNICAL GRAPHICS 3.0
All aspects of industrial drafting practices are surveyed with particular emphasis on its role in the industrial and business world.

INDS 204
COMMUNICATION TECHNOLOGY 3.0
Traces the development of communication technology, examines and gives experiences in visual, acoustical and electronic communication technologies and their effect on our society.

INDS 205
SCIENTIFIC PRINCIPLES OF TECHNOLOGY 3.0
The practical implications of physical concepts on technology will be studied, emphasizing how technical machines work. Cross listed with Mathematical Sciences, PHYS 205.

INDS 206
INTRODUCTION TO MANUFACTURING AND MATERIALS PROCESSING 3.0
A comprehensive introduction to various methods for producing metallic, polymeric, and ceramic materials. The content is organized around the major families of processes: casting and molding, forming, separating, conditioning, assembling, and finishing. Cross listed with Fine Arts, ARGS 206.

INDS 207
CONSTRUCTION TECHNOLOGY 3.0
A general survey of the construction industry. Each of the systems required to build a structure is reviewed. Stress is placed on the practical application of these systems.

INDS 208
ENERGY, POWER AND TRANSPORTATION 3.0
A broad overview of our energy sources and our use of controlled energy (power). Transportation is presented by surveying the operation of our country's system and studying the five most important types in detail.

INDS 312
MACHINE TOOL TECHNOLOGY 3.0
Machine metalwork layout, machining and control laboratory activities.
Prerequisite: INDS 206.

INDS 321
TYPOGRAPHY AND TYPESETTING 3.0
The various aspects of basic typography, including type design, page layout, and standard measuring techniques will be investigated. Included in this investigation will be an overview of available electronic page composition programs designed to work with both dedicated typesetters and microcomputers.

INDS 331
INTRODUCTION TO BUILDINGS AND SYSTEMS 3.0
An overall survey of building technology including their evolution, construction types, engineering, materials, systems, and pathology of deterioration.

INDS 333
ARCHITECTURAL DRAFTING AND DOCUMENTATION 3.0
The student will explore the functions of a residential architect. Emphasis will be placed on a working knowledge of building construction practices, residential planning and design, and architectural drafting techniques.

INDS 340
TECHNICAL WRITING 3.0
Preparation of technical material for publication. Prior registration requested.

INDS 344
OPERATIONS MANAGEMENT 3.0
A fundamental course regarding production and service operations management. Included are process design, category planning and scheduling, inventory management, work force management, quality control, forecasting, materials handling and ordering, employee motivation and work methods.

INDS 347
SURVEY OF MODERN INDUSTRY 3.0
Visitation of representative industry to study and evaluate management, labor, materials, processes and products of industry.

INDS 413
INTRODUCTION: COMPUTER NUMERICAL CONTROL PROCESSES IN MANUFACTURING 3.0
Introduction to Computer Numerical Control (CNC) processes in manufacturing is a study of CNC programming and applications and how it is utilized in modern manufacturing operations.

INDS 423
OFFSET LITHOGRAPHY 3.0
Photo-lithographic process. Copy preparation, camera techniques, line and halftone photography, densitometry, stripping, platemaking and presswork.
Prerequisite: INDS 204.

INDS 424
ADVANCED OFFSET LITHOGRAPHY 3.0
Advanced technical information and skills. Photographic chemistry, advanced halftone technique, posterization, duo-tones, trio-tones, screen calibration development, color negative development, enlarging and densitometric control
Prerequisite: INDS 423.

- INDS 425**
COLOR PROCESSING TECHNIQUES 3.0
 Students will learn the principles of color processing techniques and produce color photographs, transparencies and full color printed reproductions.
- INDS 434**
ENVIRONMENTAL ARCHITECTURE 3.0
 This course is directed specifically toward all students with interest in energy conservation and the environment and for current and future homeowners. Emphasis will be placed on energy sources in housing, designing energy efficient houses, heating and cooling systems and retrofitting older homes.
- INDS 435**
ARCHITECTURAL DESIGN 3.0
 Basic aesthetic, functional and structural design, residential and light building structure. Environmental control, lighting, wiring, waste and utility systems.
- INDS 436**
RESIDENTIAL CONSTRUCTION 3.0
 Residential construction materials and processes.
Prerequisite: INDS 207.
- INDS 443**
COMPUTER-AIDED DRAFTING: AN INTRODUCTION 3.0
 Students will study the command structure of AutoCad to create, modify and manage CAD drawings and designs. Various applications in graphic communication will be explored with practical hands-on lab sessions. Experience with computers or technical graphics is not required. Cross listed with Mathematical Sciences, PHYS 443.
- INDS 445**
COST ESTIMATING IN MANUFACTURING AND CONSTRUCTION 3.0
 The fundamental study of cost estimating as it applies to the manufacturing and construction industries. Basic principles and concepts are considered that are common to all fields.
- INDS 446**
MICRO-COMPUTER TECHNOLOGY 3.0
 Manufacturing, design and consumer product application of computer technology will be emphasized. Hands-on experience with micro computers, plotters, digitizers, printers, and other peripherals will aid the student in developing an appreciation for the less publicized applications of the computer. Software, firmware and hardware will be illustrated and discussed, especially as related to interfacing. Numerical controlled machining and robotics will also be studied. Cross listed with Mathematical Sciences, PHYS 446.
- INDS 450**
WORKSHOP/SEMINAR IN INDUSTRIAL EDUCATION AND TECHNOLOGY 1.0-3.0
 Opportunity is afforded students to study selected current issues, concerns and/or problems in the various fields of industry, education and technology.
- INDS 451**
INDEPENDENT STUDY IN INDUSTRY 1.0-3.0
 Individual study problem with faculty guidance and sponsorship. Application required.
Prerequisite: Departmental approval.
- INDS 461**
MANAGEMENT AND PRODUCTION 3.0
 Mass production techniques, market analysis, manufacturing and production control.
- ISED 101**
TECHNOLOGY AND CULTURE: PAST, PRESENT, AND FUTURE 3.0
 A chronological study of technology and its impact on world culture. Emphasis will be placed on the influence of the Western hemisphere during the last 300 years and the world of the future. Meets the General Education Requirement - Contemporary Issues.
- ISED 463**
IN-SERVICE SUPERVISED TEACHING SEMINAR 8.0
 For full-time, regularly-employed teacher who has all degree requirements except student teaching. Prior registration required.
- ISVC 402**
CURRICULUM CONSTRUCTION IN VOCATIONAL-TECHNICAL EDUCATION 3.0
 Practical skills utilized in the design and construction of vocational-technical curriculums; relationships between related and laboratory curriculum content.
- ISVC 403**
METHODS OF TEACHING VOCATIONAL-TECHNICAL SUBJECTS 3.0
 Methods of teaching, based on vocational-technical education objectives, will include selection of subject matter, selection of test books and other source material, starting a class, preparing individual and sequential lessons, organizing demonstrations, using teaching aids, developing instructional materials, record keeping, evaluation of pupil progress.
- ISVC 405**
CURRICULUM CONSTRUCTION IN VOCATIONAL AND TECHNOLOGY EDUCATION 3.0
 This course is concerned with the practical skills utilized in the design and construction of vocational and technology curricula. The course emphasizes the relationships between related and laboratory curriculum content. Students will prepare practical, useful materials applicable to current and future school, classroom, and laboratory situations.
- ISVC 406**
TEACHING VOCATIONAL AND TECHNOLOGY EDUCATION 3.0
 Emphasis will be placed upon professional preparation for teaching vocational subjects and technology education. Areas of study will include planning a course of study, demonstration of technical materials and equipment, safety in the laboratory, record keeping, class management and use of instructional materials and evaluational techniques. Several microteaching experiences will be undertaken by the students.
- ISVC 408**
VOCATIONAL-TECHNICAL IN-SERVICE SUPERVISED TEACHINGS AND SEMINAR 8.0
 A two-part course which covers an academic year. The first part involves the student in a biweekly seminar and on-the-job supervision by the seminar instructor. The second part provides for on-the-job supervision and individual conferences. Both parts of the course must be completed before credit is awarded.

EARTH AND ENVIRONMENTAL STUDIES

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Jonathan M. Lincoln

The department offers a major in geography, a major in geoscience, a major in geoscience with concentration in environmental science, earth science teacher certification and a minor in geoscience.

The geography major leads to a Bachelor of Arts degree. The teaching emphasis in geography is on the formulation of concepts and theory, analysis of environmental and census data, data presentation techniques, interrelationships between human and natural elements, locational analysis and environmental and urban problem solving. Students may specialize in environmental studies, urban studies or geography and regional analysis by selecting appropriate elective courses. All specializations are applied in their nature and lead to careers in fields such as environmental management, city and regional planning, community development, economic development, transportation planning and real estate development. An important feature of the geography major is a recommended full semester, off-campus internship that enables students to work in public and private agencies.

The Geoscience major leads to a Bachelor of Science degree. Geoscience includes the study of earth materials, earth processes and earth history as well as the study of the earth's oceans and atmosphere. Students in the geoscience major are prepared for careers as professional geologists working for environmental planning and remediation companies, mining and petroleum industries, government agencies and civil engineering and construction companies. The geoscience major also prepares students for graduate study in the geological sciences and related specialities. Nearly all courses taken within the geoscience major include laboratory and off-campus field studies.

A concentration in environmental science is offered as an option within the geoscience major for those students seeking careers in the environmental consulting industry. This concentration includes biology, chemistry and nontraditional environmental geology courses not required for the standard geoscience major. Earth Science teaching certification is available for majors who also complete the professional teaching sequence. A minor in geoscience is also available.

Geography Major

Required Courses

	Semester Hours
EUGS 100 Principles of Geography	3
EUGS 101 Human Geography	3
OR	
EUGS 102 World Geography	3
EUGS 206 Introduction to American Urban Studies	3
EUGS 309 Research Methods	3

Geography Electives

Select 21 semester hours from the appropriate list to be obtained from the department21

Concentration in Urban Studies

Urban Studies Electives

Select 21 semester hours from the appropriate list to be obtained from the department21

Geoscience Major

Required Courses

GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
GEOS 431 Invertebrate Paleobiology	4
GEOS 434 Stratigraphy	4
GEOS 443 Mineralogy	4
GEOS 444 Petrology	4
GEOS 472 Structural Geology	3

Collateral Courses

CHEM 120, 121 General Chemistry I, II 4 each

Select one of the following two sequences in mathematics:

MATH 115 Precalculus Mathematics	3
MATH 116 Calculus A	4

OR

MATH 122 Calculus I	4
MATH 221 Calculus II	4

Select one of the following two sequences in physics:

PHYS 191, 192 University Physics I, II	4 each
PHYS 193, 194 College Physics I, II	4 each

Recommended in addition to the above:

CMPT 183 Foundation of Computer Science I	3
MATH 109 Statistics	3

Electives (Departmental)

Select 11 semester hours from the appropriate list to be obtained from the department 11

Concentration in Environmental Science

Required Courses

	Semester Hours
BIOL 132 Animal Form and Function	4
BIOL 213 Introduction to Field Ecology	4
BIOL 256 Applied Environmental Microbiology	3
CHEM 230 Organic Chemistry I	3
CHEM 232 Experimental Organic Chemistry I	2
GEOS 112 Physical Geology (required major course)	4
GEOS 450 Principles of Soil Science	3
GEOS 452 Geohydrology	3
Select one of the following:	
GEOS 454 Environmental Geochemistry	3
CHEM 320 Environmental Chemical Analysis	3

Research Requirement

GEOS 490 Seminar in Geoscience	
OR	
BIOL 490 Senior Seminar in Biology	2

Electives (Departmental)

Select a minimum of 3 s.h. from the following:

The following electives may not count as Geoscience major electives:

BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 370 Principles of Ecology	4
BIOL 426 New Jersey Flora	4
BIOL 430 Field Ornithology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Limnology	3

The following electives may count as Geoscience major electives:

GEOS 250 Map Reading and Cartography	4
GEOS 251 Aerial Photograph Interpretation	4
GEOS 310 Economic Geology	3
GEOS 457 Meteorology	4
GEOS 480 Field Studies in Geoscience	4

Geoscience Minor

Required Courses

GEOS 112	Physical Geology	4
GEOS 114	Historical Geology	4
Select one of the following two sequences:		
GEOS 431	Invertebrate Paleobiology	4
GEOS 434	Stratigraphy	4
OR		
GEOS 443	Mineralogy	4
GEOS 444	Petrology	4

Electives (Departmental)

Select 3 semester hours from the appropriate list to be obtained from the department 3

Urban Studies Minor

Required Courses

EUGS 206	Introduction to American Urban Studies	3
EUGS 462	People and Cities: Comparative Urban Studies	3
EUGS 463	Internship	12
EUGS 464	Senior Seminar in Urban Studies	3

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Geoscience majors qualify for the New Jersey Earth Science Teaching Certificate.

Second Teaching Field in Earth Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Geoscience Honors

- Geoscience Major
- Overall Grade Point Average 3.50
- Geoscience Grade Point Average 3.50
- Additional Courses
 - GEOS 491 Literature Research in Geoscience
 - GEOS 492 Laboratory Research in Geoscience
- Minimum of 40 Geoscience credits completed

Courses of Instruction

ENVR 109	3.0
THE HUMAN ENVIRONMENT	
An interdisciplinary course which examines man's relationship to his natural environment, his reliance on it, his view on it, and his changes in it, and future human and environmental projections. Cross listed with Psychology, PSYC 109. Meets the General Education Requirement - Contemporary Issues.	
ENVR 252	3.0
HYDROLOGY	
Water, its availability, distribution and usefulness. Hydrologic cycle examined in detail. Interaction with man and his usage. Applications to models and systematic processes. Cross listed with Earth and Environmental Studies, GEOS 252.	
<i>Prerequisite: Special fee.</i>	
ENVR 410	3.0
ENVIRONMENTAL LAW	
The study of the National Environmental Policy Act; the Environmental Impact Statement; the Clean Air Act; the Clean Water Act; Toxic Substances Control Act; Solid and Hazardous Waste; related environmental laws, i.e., OS&H Act; and litigation are analyzed. Aspects of environmental law, within which institutions and corporations must operate, are discussed. Cross listed with Earth and Environmental Studies, GEOS 410.	

ENVR 452	3.0
GEOHYDROLOGY	
The study of ground-water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, GEOS 452.	

Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. Special fee.

ENVR 455	3.0
FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT	
Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, GEOS 455.	
<i>Prerequisites: GEOS 112 or GEOS 107 or GEOS 125 or EUGS 100. Special fee.</i>	

ENVR 456	3.0
HYDROCLIMATOLOGY	
Climatology emphasizing moisture as one of the fundamental factors in climatic analysis; processes and problems of classification and variability. Examines energy and water balance.	
<i>Prerequisite: Special fee.</i>	

EUGS 100	3.0
PRINCIPLES OF GEOGRAPHY	
The course studies the major elements of the natural environment and their interrelation. The principles and processes essential to the understanding of the natural environmental system and their significance are stressed. The elements studied include: atmosphere, weather and climate, continents, landforms, river systems, ocean currents and tides, soils, vegetation, animal and marine life. Meets the General Education Requirement - Natural Physical Science, Non-Laboratory Science Only.	

EUGS 101	3.0
HUMAN GEOGRAPHY	
This course is a study of human-environment interactions. It assesses the worldwide distribution of population, religion, language, family structure and socio-economic systems. The synthesis of these elements in the development of various societies is studied. Meets the General Education Requirement - Social Science, Survey Course.	

EUGS 102	3.0
WORLD GEOGRAPHY	
World geography aims to present essential facts and concepts about the natural and human environment of major regions and countries. The course presents a picture of regions as developed through the interactions of natural, cultural, economic and political forces. Geopolitical, social and economic relationships between and among countries are studied. Meets the General Education Requirement - Social Science, Topic Course.	

EUGS 204	3.0
PRINCIPLES OF LAND USE	
Geographical analysis of rural and urban land use patterns in the United States. Fieldwork stresses mapping techniques and socio-economic aspects of urban land use in the New York-New Jersey metropolitan area.	

EUGS 206	3.0
INTRODUCTION TO AMERICAN URBAN STUDIES	
An interdisciplinary introduction to the development of American cities, with an emphasis on current patterns of urbanism and urbanization. The growth and evolution of urban structures, emerging urban and suburban cultural styles, and responses to critical urban issues will be explored. Meets the General Education Requirement - Social Science, Topic Course. Meets the Multicultural Awareness Requirement.	

EUGS 234	3.0
TRANSPORTATION	
Transportation is the study of spatial interaction of economic factors and societal functioning. Transportation flows are analyzed in the context of technological change, degree of accessibility, different transport cost surfaces, and transportation as it relates to land use planning.	

- EUGS 300**
WORLD RESOURCES AND INDUSTRIES 3.0
 Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Economics and Finance, ECON 300.
- EUGS 308**
LAND AND LIFE IN LATIN AMERICA 3.0
 The course emphasizes the origin and development of Latin America's cultural landscape. It examines critically the natural endowment, social and political institutions and economic potentials of Latin American countries. Relationships among the Latin American states and with the United States are presented. Meets the General Education Requirement - Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
- EUGS 309**
RESEARCH METHODS 3.0
 The course introduces a widely used statistical package to analyze data. The application and interpretation of results of frequently used statistical techniques remains the primary focus. Survey research techniques are stressed. All the steps in the completion of a research project are emphasized.
- EUGS 310**
QUANTITATIVE METHODS IN GEOGRAPHY AND URBAN STUDIES 3.0
 Treatment of measurements and design in geography; definition of problems, hypotheses formulation and tests of hypotheses by alternative methods of measurement. Geographic applications of computer methods, multi-variate analysis, systems analysis, data bank maintenance and evaluation.
- EUGS 312**
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
 The slow pace of settlement of the Eastern Seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1800. Cross listed with History, HIST 312.
- EUGS 313**
URBAN GEOGRAPHY 3.0
 The course focuses on the structure and growth of metropolitan areas of the United States. The location of land uses, social and economic activity, employment and housing are studied. Current urban predicaments and public policy initiatives are evaluated. World cities and urbanization are analyzed in comparative perspective. Meets the General Education Requirement - Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- EUGS 331**
URBANIZATION AND ENVIRONMENT 3.0
 Examines interaction between man and the physical urban environment. Studies dynamic and physical processes as related to air, water and noise pollution, and hydrologic and geologic hazards.
- EUGS 352**
FLUVIAL GEOGRAPHY 3.0
 Detailed study of streams and rivers emphasizing processes causing variations of size and shape; the morphology of streams and stream channels; processes, quantitative techniques. Cross listed with Earth and Environmental Studies, GEOS 352.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- EUGS 408**
GEOPOLITICS 3.0
 Main theories of the field and their application to selected political entities, current problem zones and the spatial interaction of nations.
- EUGS 412**
GEOGRAPHY OF SUB-SAHARA AFRICA 3.0
 Topical and regional study of African soils, vegetation, climate, physiography, mineral resources and other aspects of the physical environment in the light of man's habitation of the continent. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- EUGS 413**
GEOGRAPHY OF THE MIDDLE EAST 3.0
 Topical study of area extending from Morocco to Iran: arid land agriculture, nomadism, land tenure systems, settlement patterns, problems of industrial development, and socio-economic and military implications of region's oil wealth. Includes Arab culture and Islamic influences on urban and rural landscapes. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- EUGS 426**
INDEPENDENT STUDY IN GEOGRAPHY 1.0-4.0
 Preparation of a research paper or project to be presented to members of the staff.
Prerequisites: Junior and senior majors only; departmental approval.
- EUGS 427**
PRO-SEMINAR IN GEOGRAPHY 3.0
 Problem-oriented seminar. Specific topics in urban, environmental studies or geography. Content changes according to the needs of the instructor.
- EUGS 460**
URBAN PLANNING 3.0
 The course focuses on the principles, processes, and practices of urban planning. The formulation of policies and the management roles of the planning agencies are emphasized.
- EUGS 462**
PEOPLE AND CITIES: COMPARATIVE URBAN STUDIES 3.0
 Introduction and cross-cultural investigation of the processes of urbanism and urbanization: formation, structure and functioning of cities throughout the world. Cross listed with Anthropology, ANTH 462.
- EUGS 463**
INTERNSHIP 3.0-12.0
 A full semester internship in an urban or environmental agency. Students will be expected to carry out agency assignments, observe and participate in decision making processes and engage in middle management activities.
Prerequisite: Departmental approval and at least 24 semester hours in the major.
- EUGS 464**
SENIOR SEMINAR IN URBAN STUDY (URBAN STUDIES INTERNSHIP) 3.0
 A seminar to be taken in conjunction with the urban studies semester internship, and designed as a synthesis of the various approaches in urban studies which the student has acquired in previous urban-related courses. Each semester the seminar focuses upon a specific in-the-field research project, and an analysis and evaluation of the student's internship experience.
Prerequisite: Departmental approval.
- EUGS 465**
HONORS RESEARCH 3.0
 Provides original research experience to superior undergraduates.
Prerequisite: Departmental approval.
- EUGS 470**
GEOGRAPHIC INFORMATION SYSTEMS (G.I.S.) 3.0
 This course deals with fundamental principles and applications of G.I.S. Various ways in which G.I.S. can be used in planning and management analysis and research will be discussed. Students will learn the issues which need to be considered when planning and implementing G.I.S. One or two widely used software packages will be employed as a tool to study G.I.S. applications. Cross listed with Earth and Environmental Studies, GEOS 470.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 107**
PLANET EARTH 4.0
 An introduction to the physical characteristics of planet Earth. Utilizing satellite information, aerial photographs and various types of maps and charts, this course provides background for an understanding of the basic interrelationships of the earth's atmosphere, lithosphere and hydrosphere. The human impact on earth systems is also developed and maintained in perspective. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.

- GEOS 110**
NATURAL DISASTERS 3.0
 The study of natural disasters such as volcanic activity, earthquakes and hurricanes: the causes, effects and means of predicting, preventing and minimizing the effects of disasters will be discussed. The relationships between man and his sometimes hostile habitat will be included. Not open to Geoscience majors. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.
Prerequisite: Not open to Geoscience majors.
- GEOS 112**
PHYSICAL GEOLOGY 4.0
 Materials of the earth; landforms and structures; the processes and agents responsible for their formation and modification. Modern tectonic concepts. Topographic and geologic maps. Required field trips. Not open to students who have had Principles of Geology. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.
- GEOS 114**
HISTORICAL GEOLOGY 4.0
 Geological history of the earth; the evolution of North America in terms of the changing geography, climate, and plant and animal life as interpreted from the rock and fossil record. Required field trips. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.
- GEOS 125**
EARTH AND THE ENVIRONMENT 4.0
 The study of the natural processes of the earth and the effects of human activities on the environment. Earth materials, processes and systems, and the engineering properties of natural materials will be discussed, as well as pollution of soil, water and air. Not open to those who have had Planet Earth, Principles of Geology or Physical Geology. Meets the General Education Requirement - Natural/Physical Sciences, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.
- GEOS 157**
UNDERSTANDING THE WEATHER 3.0
 This course is designed to examine the earth's weather through lectures, demonstrations, observations, and recording of meteorological phenomena. Major emphasis is placed on thermodynamic processes within the atmosphere as they affect primary pressure/wind patterns, synoptic meteorology, and local weather characteristics. Attention is directed toward the physical processes affecting temperature, pressure, wind, humidity, cloudiness, and visibility in order to understand the main characteristics of weather. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.
- GEOS 162**
GENERAL OCEANOGRAPHY 3.0
 A general study of the oceans and methods of modern oceanography including the physical, chemical, geological, and biological aspects of the oceans and their interrelationships. This course is designed for non-science majors. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.
- GEOS 201**
CLIMATOLOGY 3.0
 Basic climate elements examined in terms of their influence on habitats and various aspects of human activities. The energy flux between atmosphere and biosphere affords a fundamental understanding of limitations in ecosystems development. Knowledge and climatic influence on health, clothing, human comfort, architecture, commerce and industry encourages the student to investigate new ways of living rationally within a climatic environment.
- GEOS 250**
MAP READING AND CARTOGRAPHY 4.0
 This course is designed to acquaint students with the characteristics of map computation, design and construction. Historical development of mapping and map reading will be important areas of emphasis. Remote sensing, computer mapping will provide up-to-date procedures. Each student will work toward a map suitable for commercial publication. (3 hours lecture, 2 hours laboratory.)
Prerequisite: Special fee.
- GEOS 252**
HYDROLOGY 3.0
 Water, its availability, distribution and usefulness. Hydrologic cycle examined in detail. Interaction with man and his usage. Application to models and systematic processes. Cross listed with Earth and Environmental Studies, ENVR 252.
Prerequisite: Special fee.
- GEOS 254**
GEOMORPHOLOGY AND CLIMATOLOGY OF NORTH AMERICA 3.0
 Major controls of climate and the landforms of North America are analyzed in order to gain an understanding of how the continent compares and is related to the rest of the world. The basis and distinct characteristics of the subdivisions of North America are examined in order to bring out contrasts and unique features within the continent.
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 352**
FLUVIAL GEOGRAPHY 3.0
 A detailed study of streams and rivers emphasizing processes causing variations in size and shape. The course analyses the morphology of stream channels. The course is quantitative and stresses processes. Cross listed with Earth and Environmental Studies, EUGS 352.
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 310**
ECONOMIC GEOLOGY 3.0
 Geology and geography of non-metallic and metallic mineral resources and fuels. Problems associated with their occurrence and exploitation. Required field trips. Not given every year.
Prerequisites: GEOS 112 and GEOS 114.
- GEOS 360**
OCEANOGRAPHY 3.0
 Study of the physical and chemical properties of sea water, oceanic circulation, waves and tides, and estuarine and shoreline processes.
Prerequisite: GEOS 112 or GEOS 162. Special fee.
- GEOS 403**
MAN'S IMPACT ON THE COASTAL ZONE 4.0
 A study of man's economic, political, legal and social impacts on the physical and biological aspects of the coastal zone, primarily a field course with supporting lectures and discussion.
Prerequisites: Geography or Geoscience majors only.
- GEOS 431**
INVERTEBRATE PALEOBIOLOGY 4.0
 Invertebrate fossils-their classification, morphology, evolution, stratigraphic distribution and paleoecology. Required field trips.
Prerequisite: GEOS 114. Special fee.
- GEOS 434**
STRATIGRAPHY 4.0
 Stratigraphic principles and their application. Case studies of selected regions. Local stratigraphy interpreted through field studies.
Prerequisite: GEOS 431. Special fee.
- GEOS 437**
SEDIMENTOLOGY 4.0
 Geological processes and agents which form, transport, deposit consolidate and alter sediments. Interpretation of the resultant sedimentary rocks. Laboratory work on the texture, mineralogy and mass properties of sedimentary particles. Required field trips. Not offered every year. (3 hours lecture, 2 hours laboratory.)
Prerequisite: GEOS 112. Special fee.
- GEOS 443**
MINERALOGY 4.0
 Crystallography, internal structure, origin, occurrence, and properties of minerals, laboratory study of common minerals. Required field trips.
Prerequisites: GEOS 112 and CHEM 120. Special fee.

- GEOS 444**
PETROLOGY 4.0
 Description, identification, classification, origin and occurrence of sedimentary, igneous and metamorphic rocks. Laboratory study of the common rocks. Required field trips.
Prerequisite: GEOS 443. Special fee.
- GEOS 450**
PRINCIPLES OF SOIL SCIENCE 3.0
 Origin, composition, properties and classification of soils. Additional topics include water in soils and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, ENVR 452.
Prerequisites: GEOS 112 and CHEM 120. Special fee.
- GEOS 452**
GEOHYDROLOGY 3.0
 The study of ground-water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, ENVR 452.
Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. Special fee.
- GEOS 454**
ENVIRONMENTAL GEOCHEMISTRY 3.0
 Chemical principles and methods applied to the study of interactions among lithosphere, hydrosphere and atmosphere. Topics such as water pollution, waste disposal and human impact on global geochemical cycles will be discussed. Laboratory will stress the measurement of chemical properties related to water and soil quality as well as computer modeling of chemical transport in porous media.
Prerequisites: GEOS 112 and CHEM 121. Special fee.
- GEOS 455**
FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT 3.0
 Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, ENVR 455.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 470**
GEOGRAPHIC INFORMATION SYSTEMS (G.I.S.) 3.0
 This course deals with fundamental principles and applications of G.I.S. Various ways in which G.I.S. can be used in planning and management analysis and research will be discussed. Students will learn the issues which need to be considered when planning and implementing G.I.S. One or two widely used software packages will be employed as a tool to study G.I.S. applications. Cross listed with Earth and Environmental Studies, EUGS 470.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 472**
STRUCTURAL GEOLOGY 3.0
 Recognition and interpretation of primary and tectonic rock structures. Laboratory work emphasizes the analysis of faults, joints, folds and foliation. Required field trips.
Prerequisites: GEOS 112 and GEOS 114 and MATH 116 or 122. Special fee.
- GEOS 480**
FIELD STUDIES IN GEOSCIENCE 4.0
 Use of geologic, meteorologic and oceanographic instruments in field investigations, interpretation of observations and writing a field report. Required field trips.
Prerequisite: GEOS 434 or GEOS 444 or GEOS 472. Special fee.
- GEOS 490**
SEMINAR IN GEOSCIENCE 2.0
 Student field, laboratory and library investigation of a problem in the area of his/her interest in geoscience; results presented in oral and written form. Class discussion of the individual papers and of other pertinent topics of current interest in geoscience. Not offered every year.
Prerequisite: Departmental approval.
- GEOS 491**
LITERATURE RESEARCH IN GEOSCIENCE 2.0
 Each participating student conducts an in-depth library research of a specific problem of his/her interest in geoscience under the guidance of a sponsoring faculty member. The results of the study will be presented in a written research-style report.
Prerequisite: Departmental approval.
- GEOS 492**
LABORATORY RESEARCH IN GEOSCIENCE 1.0-4.0
 Each student conducts individual research on a specific problem in geoscience under the guidance of a sponsoring faculty member. The research may be based on earlier field or literary investigations. The results of the study will be presented in a written research-style report.
Prerequisite: Departmental approval.
- GEOS 494**
SELECTED TOPICS IN GEOSCIENCE 1.0-4.0
 An in-depth study of a particular topic in geoscience, the specific subject matter of which is not offered regularly in an existing course.
Prerequisite: Departmental approval.
- GEOS 495**
INDEPENDENT STUDY IN GEOSCIENCE 1.0-4.0
 An opportunity for the qualified student to do library and/or laboratory investigation in a field of science of his/her choice under the guidance of a faculty member. The course is conducted exclusively by scheduled individual conferences and reports. Offered on demand; majors only.
Prerequisite: Departmental approval.
- PHMS 210**
INTRODUCTION TO MARINE SCIENCES 4.0
 A field oriented lower division undergraduate course covering the principal disciplines in the marine sciences. The course is designed for the student to evaluate his interest in the marine science world. Offered at the NJ Marine Sciences Consortium.
Prerequisite: Departmental approval.
- PHMS 460**
MARINE SCIENCE EDUCATION 3.0
 Selected field experiences and laboratory methods utilized to develop resources from the marine environment to be used in teaching the various disciplines. Offered at the site of the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.
- PHMS 481**
COASTAL MARINE GEOLOGY 4.0
 A study of the geologic processes concerned with the supra-, inter-, and sub-tidal areas of the near shore environment. Field studies will emphasize the dynamics of erosion and deposition as well as general sedimentation associated with modification of barrier beaches and other land forms of the New Jersey shoreline. Offered at the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.
- PHMS 490**
FIELD METHODS IN THE MARINE SCIENCES 4.0
 The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture, 4 hours laboratory.)
Prerequisite: Departmental approval.
- PHMS 498**
INDEPENDENT STUDY IN THE MARINE SCIENCES 1.0-4.0
 Individual research projects will be selected under the guidance of a professor associated with the consortium. Open only to those advanced undergraduate students who have indicated a potential for original thinking. Offered at the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.

ECONOMICS AND FINANCE

SCHOOL OF BUSINESS

Chairperson: Serpil Leveen

Economics is the study of how market and non-market institutions can best allocate relatively scarce resources to promote individual and social welfare. As such, it offers well-defined mechanisms for analyzing a wide array of theoretical and policy-oriented issues. Finance builds on the foundations of economics to provide students with a professional background in both corporate finance and investments. Together, the curriculum in economics and finance is designed to contribute to a broad-based liberal arts education by expanding a student's perception of the economic and financial decisions that individuals and societies must make under widely varying conditions. Strong emphasis is given to the development of skills in analytical reasoning, quantitative fluency, written and oral communications, as well as creative excellence.

The Department currently offers four undergraduate programs. The undergraduate programs are: the B.A. in Economics, the B.A. in Economics with a Concentration in Business, the B.S. in Business Administration with a Concentration in Economics, and the B.S. in Business Administration with a Concentration in Finance. In addition to preparing students for direct career experience in business, government and the professions, the program provides excellent preparation for graduate work in Economics, Finance, and in related disciplines. Departmental faculty also support the Concentration in Economics and the Concentration in Finance in Montclair State's M.B.A. program, as well as the Concentration in Economics in Montclair State's M.A. in Social Sciences. Given the active participation of faculty in teaching, research, and community service, the undergraduate programs in Economics and Finance benefit from the skills of highly experienced professionals.

Economics Major

Students who wish to major in Economics should consult with the chairperson of the department for admissions standards applicable to first-year, internal and external transfer students. Copies of the program guide and worksheet are available through the Department of Economics and Finance.

Required Courses:

	Semester Hours
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
ECON 203 Economic Statistics	3
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 420 Econometrics	3
ECON 438 Advanced Seminar in Economics	3

Collateral Courses:

	Semester Hours
MATH 113 Mathematics for Business I: Linear Algebra	3
MATH 114 Mathematics for Business II: Calculus	3
BEOS 320 Administrative Business Communications	3

Elective Courses

Select 15 semester hours from the appropriate list to be obtained from the department 15

Graduation in Economics requires that a student complete a total of 36 credits in the major. Additional information on first year, transfer, and readmission standards, along with course updates, scheduling sequences, departmental honors, and graduation requirements are found in the Undergraduate Program Guide, available through the department.

Concentration in Business Economics

In addition to the B.A. in Economics, the Department also offers a B.A. in Economics with a 48 semester hour concentration in Business Economics. The program is based on 9 hours of prerequisite courses, 24 hours of required core courses, and 15 hours of electives in Business and Economics.

Prerequisite Courses:

	Semester Hours
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
ECON 203 Economic Statistics	3

Required Courses:

	Semester Hours
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 420 Econometrics	3
ECON 438 Advanced Seminar in Economics	3
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
FINC 321 Fundamentals of Finance	3
MGMT 231 Management Processes	3

Collateral Courses:

	Semester Hours
MATH 113 Mathematics for Business I: Linear Algebra	3
MATH 114 Mathematics for Business II: Calculus	3
BEOS 320 Administrative Business Communications	3

Elective Courses

Students must select 6 semester hours from the following:

ECON 205 Collective Bargaining: Theory and Practice	3
ECON 301 Money and Banking	3
ECON 304 Public Policies Toward Business	3
ECON 308 Public Finance	3
ECON 310 Urban and Regional Economics	3
ECON 311 Labor Economics	3
ECON 314 Development of Economic Thought	3
ECON 401 Financial Institutions	3
ECON 402 International Economics	3
ECON 403 Comparative Economic Systems	3
ECON 407 Economics of Industrial Organization	3
ECON 418 Economics of Human Resources	3
ECON 419 Economics of Energy and Environmental Policy	3

Students must select a minimum of 9 semester hours from the following:

ACCT 301 Intermediate Accounting I	3
ACCT 307 Cost Accounting and Control I	3
INFO 371 Management Information Systems	3
FINC 322 Capital Budgeting	3
FINC 326 Investment Principles	3
FINC 327 International Financial Management	3
FINC 430 Futures/Options and Other Derivatives	3

Economics Minor

The department maintains a minor program for all majors at Montclair State. It involves the completion of 18 semester hours from courses in Economics, 12 credits of which are based on ECON 101 Principles of Economics Macro, ECON 102 Principles of Economics Micro; ECON 207 Intermediate Microeconomic Analysis; and ECON 208 Intermediate Macroeconomic Analysis, with 6 credits at the 300 and 400 level to be selected from a program list available through the department.

Business Administration Major

Students majoring in Business Administration must complete 34 semester hours of core courses, and 18 semester hours of collateral courses. Students should consult with the Academic Advisor of the School of Business Administration regarding admission standards for first-year, internal and external transfer students.

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	4
FINC 321 Fundamentals of Finance	3
MKTG 240 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MATH 113 Mathematics for Business I: Linear Algebra	3
MATH 114 Mathematics for Business II: Calculus	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

B.S. in Business Administration: Concentration in Economics

Required Courses:

	Semester Hours
ECON 206 Managerial Economics, or	
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 301 Money and Banking	3
Select 2 courses from departmental offerings (ECON)	6

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

B.S. in Business Administration: Concentration in Finance

Required Courses

	Semester Hours
FINC 322 Capital Budgeting Management	3
FINC 326 Investment Principles and Portfolio Theory	3
FINC 327 International Financial Management	3
FINC 490 Seminar in Finance	3
Select one course from departmental offerings (FINC)	3

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Courses of Instruction

ECON 100	
INTRODUCTION TO ECONOMICS	3.0
Major objectives and features of the American economy, including operations of a market economy, structure and function of business, money and banking, government and business relations. For non-majors only. May not be taken after ECON 101 and/or ECON 102 have been taken. Meets the General Education Requirement - Social Science, Survey Course.	

ECON 101	
PRINCIPLES OF ECONOMICS: MACRO	3.0
A study of the American economy, analytically and institutionally; the achievement of an optimal allocation of resources, price stability, full employment level of national income and long term growth. Meets the General Education Requirement - Social Science, Survey Course.	

ECON 102	
PRINCIPLES OF ECONOMICS: MICRO	3.0
Organization and operation of the American economy for the production and distribution of goods and services. Pricing of products and factors of production in market situations varying from competition to monopoly. Resource allocation, price determination and behavior of the firm in the determination of quantity of output and the hiring of factors of production. Meets the General Education Requirement - Social Science, Survey Course.	

ECON 203	
ECONOMIC STATISTICS	3.0
Basic elements of economic statistics including frequency distribution, sampling, index numbers, statistical inference, regression and correlation techniques.	
<i>Prerequisites: ECON 101 and 102 and MATH 113 and 114.</i>	

ECON 206	
MANAGERIAL ECONOMICS	3.0
The application of economic theory in the decision-making processes of the firm; utilization of economic analysis in the study of demand, costs, pricing and capital investment decisions.	
<i>Prerequisites: ECON 101, and 102; ECON 203 or FINQ 270 or INFO 271.</i>	

ECON 207	
INTERMEDIATE MICROECONOMIC ANALYSIS	3.0
The basic determinants of market demand. Input-output relationships in determining cost structure. Determination of prices received by resource owners in the productive process. Theory of the firm and pricing in different types of market organization with varying degrees of competitive conditions.	
<i>Prerequisites: ECON 101 and 102.</i>	

ECON 208	
INTERMEDIATE MACROECONOMIC ANALYSIS	3.0
The factors comprising aggregate demand and how they interact to determine the level of employment, output and the price level, the role of monetary and fiscal policy.	
<i>Prerequisites: ECON 101 and 102.</i>	

ECON 215	
THE ECONOMICS OF SOCIAL PROBLEMS	3.0
The extent, causes and consequences of poverty, inequality and insecurity. An appraisal of reforms, social insurance, medical care, public housing, rural development. The economics of discrimination and educational opportunity. Meets the General Education Requirement - Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.	

ECON 250	
SELECTED TOPICS IN ECONOMICS	3.0
An in-depth study of a particular theoretical or applied area of economics.	

ECON 300	
WORLD RESOURCES AND INDUSTRIES	3.0
Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Earth and Environmental Studies, EUGS 300.	

ECON 301	
MONEY AND BANKING	3.0
An analysis of the economic role of money and credit in our economy with primary emphasis on federal reserve and treasury operations.	
<i>Prerequisites: ECON 101 and 102.</i>	

- ECON 303**
ECONOMIC GROWTH AND DEVELOPMENT 3.0
 Problems of hastening the growth of countries with low incomes per person; the requisites for the economic development, the obstacles to such development, the strategy and tactics of development and aid for development. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
Prerequisite: ECON 207.
- ECON 308**
PUBLIC FINANCE 3.0
 The impact of governmental expenditures, taxes and debt operation on resource allocation, income distribution, economic stabilization and economic growth.
Prerequisite: ECON 207 or 206.
- ECON 310**
URBAN AND REGIONAL ECONOMICS 3.0
 The underlying economic forces operating in the urban economy. Development of the urban economic unit, relationship of the urban economy to the regional and national economy, economic activity within the urban area and the public sector of the urban economy.
Prerequisite: ECON 207 or 206.
- ECON 311**
LABOR ECONOMICS 3.0
 The determinants of wages in the organized and unorganized markets; a historical survey and analysis of the principal institutions and central processes in the labor and manpower areas, an examination of current issues in labor relations.
Prerequisite: ECON 207 or 206.
- ECON 312**
BUSINESS CYCLES AND FORECASTING 3.0
 Fluctuations in economic activity which characterize modern industrial economies. Definitions, descriptions and statistical measurement of business cycles are presented along with theories describing the causes of the cycles. Practical application of forecasting techniques to predict the course of future economic and business activity.
Prerequisites: ECON 203 or FINQ 270 or INFO 271 and ECON 208.
- ECON 320**
LATIN AMERICAN ENVIRONMENTS AND ECONOMIES IN A GLOBAL FRAMEWORK 3.0
 This course is structured to focus on the interactions of the physical world with economic, financial, commercial activities in a global perspective. Environment and economics serve as thematic threads to develop dynamic models that are representative of regional - and increasingly - global linkages. Cross listed with Earth and Environmental Studies, EUGS 320.
Prerequisites: ECON 101 and 102.
- ECON 398**
ECONOMIC INDEPENDENT STUDY 3.0
 Independent study for juniors and seniors who have developed a special interest as a result of work in a course or who wish to develop their interest through their own guided reading. A member of the Economics department guides the student in his research and reading.
Prerequisite: Departmental approval.
- ECON 401**
FINANCIAL INSTITUTIONS 3.0
 The structure and operation of financial institutions, their role in the economy and in the money and capital markets. The techniques and objectives of monetary policy and its effect on financial institutions.
Prerequisite: ECON 208 or 301.
- ECON 402**
INTERNATIONAL ECONOMICS 3.0
 The how, why and consequences of the movement of goods, services and factors of production in international exchange and an examination of the financial arrangements used to facilitate trade.
Prerequisites: ECON 101 and 102.
- ECON 403**
COMPARATIVE ECONOMIC SYSTEMS 3.0
 The economic systems of planned and mixed economies with special emphasis on the Soviet Union, China, the United Kingdom, the Scandinavian countries and the United States. Meets the General Education Requirement - Social Science, Topic Course.
Prerequisite: ECON 101 and ECON 102.
- ECON 420**
ECONOMETRICS 3.0
 An introduction to the techniques of applied economic (social science) research. Examination of the tools necessary for applied economic research and methods for dealing with certain problems inherent in economic data. The primary emphasis will be on the application of the techniques to economic data.
Prerequisites: ECON 101 and 102; ECON 203 or FINQ 270 or INFO 271.
- ECON 438**
ADVANCED SEMINAR IN ECONOMICS 3.0
 A seminar designed to integrate economic theory, quantitative tools, and institutional knowledge in a series of applied issues. Students are required to undertake a number of specific oral and written projects that describe their understanding of key elements within the discipline.
Prerequisites: ECON 207 and ECON 208 and ECON 420; seniors only; Economic majors only.
- ECON 439**
ADVANCED SEMINAR IN ECONOMICS: HONORS I 3.0
 Define the scope and methodology of the honor project through the presentation of a thesis prospectus. This process will involve preparation of a review of the relevant research literature, specification of an appropriate research methodology, gathering and testing of preliminary data where appropriate, as well as submission of the thesis prospectus to the departmental honors committee.
Prerequisite: Departmental approval.
- ECON 440**
ADVANCED SEMINAR IN ECONOMICS: HONORS II 3.0
 Student will complete all appropriate quantitative and qualitative analysis of Seminar in Economics Honors I as well as prepare a summary and interpretation of their findings. Through discussion of findings, faculty and student will make suggestions for any additional analysis or revisions to be undertaken.
Prerequisite: ECON 439.
- ECON 497**
ECONOMICS INDEPENDENT STUDY 3.0
 Open to students who wish to undertake reading and/or research in specialized areas of economics.
Prerequisite: Departmental approval.
- FINC 321**
FUNDAMENTALS OF FINANCE 3.0
 Financial statements and financial forecasting. Introduction to risk, return, and value. Introduction to working capital management, capital budgeting, optimum capital structure, and dividend policy.
Prerequisites: FINQ 270 or INFO 271; and ECON 101; and ACCT 201, and major within the School of Business.
- FINC 322**
CAPITAL BUDGETING MANAGEMENT 3.0
 Analysis of various investment criteria, especially net present value and internal rate of return. Risk in capital budgeting, capital budgets and performance evaluation, stressing the distinction between accounting and financial criteria. Application of concepts and techniques to such issues as leasing, mergers and acquisitions.
Prerequisites: FINC 321; major within the School of Business.
- FINC 326**
INVESTMENT PRINCIPLES AND PORTFOLIO THEORY 3.0
 A review of risk and analysis and methods of valuing, fixed-income and equity instruments, the efficient frontier, portfolio theory, the capital asset pricing model and an introduction to option and futures market.
Prerequisites: FINC 321; major within the School of Business.

- FINC 327**
INTERNATIONAL FINANCIAL MANAGEMENT 3.0
 Introduction to multinational business finance. Foreign exchange markets and exchange rate forecasting. Balance of payment accounts, measures of surplus or deficit and their relevance to financial planning. International financial markets and international banking. Import and export financing. Positioning of funds.
Prerequisites: FINC 321; major within the School of Business.
- FINC 423**
ADVANCED CORPORATE FINANCE 3.0
 Interaction of investment and financing decisions. Optimal capital structure and dividend policy: The Miller-Modigliani propositions. Calls and puts. Option valuation models. Valuation of risky debt and term structure of interest rates. Warrants and convertibles.
Prerequisites: FINC 322; major within the School of Business.
- FINC 425**
WORKING CAPITAL MANAGEMENT 3.0
 Detailed treatment of topics such as components of working capitals; cash budgeting; short-term financial planning. Credit management; cash and inventory management; short-term lending and borrowing.
Prerequisite: FINC 321; major within the School of Business.
- FINC 429**
REAL ESTATE INVESTMENT 3.0
 Covers mortgage financing, ownership forms, tax factors, inflation, leverage, risk/return, cash flow projection, holding period, and disposition strategy. Examines the rent or house-buying decision; land, apartment building, office building, and shopping center investments; and the current investment climate.
Prerequisite: FINC 321.
- FINC 430**
FUTURES/OPTIONS, AND OTHER DERIVATIVES 3.0
 This course introduces students to derivative instruments including options, futures and swaps. Definitions, concepts, and strategies are explained. Valuation methods are presented. This course also discusses different hedging strategies.
Prerequisites: FINC 326; major within the School of Business.
- FINC 431**
ADVANCED INTERNATIONAL FINANCIAL MANAGEMENT 3.0
 Measurement and management of foreign exchange exposure. Exchange and country risk. The Foreign Investment Decision, multinational capital budgeting, cost of capital and financial structure.
Prerequisites: FINC 327; major within the School of Business.
- FINC 490**
SEMINAR IN FINANCE 3.0
 The seminar is the terminal course in the concentration. It has two principal objectives. It provides students with an integrated overview of the major subfields of the concentration - Investments, Corporate and International Finance and Financial Markets and Institutions. Second, students will choose a research topic in consultation with the instructor, make a classroom presentation, and write a formal paper on the topic.
Prerequisites: FINC 322, and 326, and 327; major within the School of Business.
- FINC 491**
CO-OP EDUCATION IN FINANCE 3.0-8.0
 This course is aimed at synthesizing theory and practice. Students will be provided an opportunity to have an exposure to one or two off-campus on-job-trainings in various aspects of quantitative methods of one, or more businesses. Full-time students may alternate between school and business where as part-time students may take course in parallel with school.
Prerequisites: Departmental approval.

EDUCATIONAL FOUNDATIONS

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Mark Weinstein

As a society evolves, so does its educational responsibilities. The department meets these changing needs by developing innovative programs through comparative study, and philosophical and sociological theory. In this way, it also services and improves existing programs. The department offers undergraduate and graduate courses for the preparation of public school educators while meeting the specialized demands that are beyond the limits of the public schools. All of the department's courses serve as a sound background for our graduate M.Ed. concentrations in Critical Thinking and Philosophy for Children.

Courses of Instruction

EDFD 220

PHILOSOPHICAL ORIENTATION TO EDUCATION 3.0

Western philosophical heritage as related to the issues and responsibilities of American education. Comparative analysis of past and current ideological movements that influence moral, social, and educational decisions of parents, political leaders, and professional educators. Meets the General Education Requirement - Humanities, Philosophy/Religion.

EDFD 264

SEXISM IN AMERICAN EDUCATION 3.0

Designed to analyze sexism in the American schools with emphasis on sex role stereotyping in teacher behavior, peer behavior, curriculum and textbook content. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement.

EDFD 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with CURR 409 and READ 409.

Prerequisites: CURR 200 and admission to the Teacher Education Program.

EDFD 440

SOCIOLOGICAL FOUNDATIONS OF EDUCATION 3.0

The study of education as a major social institution. Social and cultural influences on teachers and learners and factors which affect educational structures, processes, and outcomes. Considers social and cultural influences on teachers and learners; the relationship of culture, role, and personality in the classroom; and the school as a changing system. Meets the General Education Requirement - Social Science, Topic Course.

EDFD 477

ETHNIC/RACIAL GROUPS AND THE SCHOOLS IN AMERICA 3.0

A multidisciplinary study of the meaning and significance of cultural pluralism in the United States. Analyzes problems associated with cultural pluralism and the historical and contemporary sources of those problems, the role of the school in assimilation/acculturation and in affecting social and economic outcomes for various groups, and avenues to improved cross-cultural understanding through education. Meets the General Education Requirement - Contemporary Issues.

ELRS 410

ASSESSMENT OF YOUNG CHILDREN:

EVALUATION OF COGNITIVE PROGRESS 3

Principles and practices of assessing young children. Various individual and group, formal and informal evaluative instruments and techniques will be reviewed. Use of tests in understanding children's developmental patterns, in the diagnosis of learning difficulties, in the determination of readiness, and in the evaluation of remedial and other special programs will be studied. Course content and requirements will be geared to individual needs of students.

ENGLISH

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Daniel R. Bronson

The English Department offers instruction in interpreting and creating informative and imaginative texts, in the description and historical understanding of the English and American languages, and in the cultural understanding of world literatures written in English.

Students may major or minor in English, minor in journalism or film, concentrate in creative writing, or obtain a teaching certificate. The English Department participates in the Cooperative Education Program to offer students career-oriented work opportunities.

Students should note that ENGL 105 *Freshman Composition* and ENGL 106 *Introduction to Literature* or equivalent are prerequisites for all other English courses with the exception of ENFL courses. English majors may take one additional English course numbered in the 100's concurrently with ENGL 105 and 106.

English Major

The English major consists of 34 semester hours of English courses including a required course, *The Pursuits of English* (4 semester hours) and 30 semester hours of English Department courses numbered 200 and above. Students must select courses that address two sets of guidelines. (Note that a single course may address more than one guideline.)

Guidelines, Part I. Address all three of the following areas as indicated:

Literature: At least four literature courses, including at least two courses that pay significant attention to literature prior to the 20th Century, one of which must deal with literature prior to 1800.

Writing: At least one writing intensive course, usually chosen from courses designated ENWR.

Genre Study: Significant attention to at least three of these four creative genres: fiction, poetry, drama or film (film genre courses only).

Guidelines, Part II. Address two of the following five areas as indicated:

Multinational Study: Significant attention to texts or films from at least one national literature or culture other than American or British.

Minority Writers: Significant study of several writers or film makers from one or more minority cultures of this country.

Women Writers: Significant study of women writers or film makers.

Gender Studies: Significant study of the development or expression of gender roles or identities in literary texts or films.

Class Issues: Significant attention to works that raise issues of social class.

Total number of semester hours 34

Considerations: Most of these guidelines can be satisfied either by an entire course or a portion of a course. Since instructors may teach the same course differently, and course content may vary from semester to semester, students should consult departmental pre-registration publications and seek advisement for information about satisfaction of guidelines. A student may not receive credit for the same course more than once, except for courses titled "Special Topics" or "Seminar." Students are encouraged to plan, with advice, flexible programs to meet their own interests and needs. Consult your advisor to develop an appropriate plan of study. Note: The following courses, offered by the Linguistics Department, may also be used toward the total 34 credits of the English major, although they might not satisfy any guidelines: LNGN 220 *Structure of American English*; LNGN 284 *History of the English Language*; LNGN 384 *The Grammars of English*.

Creative Writing Concentration

Required Courses

	Semester Hours
ENWR 200 Creative Writing: Fiction, Poetry, Drama	3
Any three of the following:	
ENWR 204 Advanced Expository Writing	3
ENWR 205 Creative Nonfiction	3
ENWR 310 Writing: Drama	3
ENWR 311 Writing: Fiction	3
ENWR 312 Writing: Poetry	3
ENWR 411 Advanced Writing: Fiction	3
ENWR 412 Advanced Writing: Poetry	3
ENWR 491 Seminar in Writing	3

English Minor

Required Courses

	Semester Hours
Genre, Comparative Literature, Language and Rhetoric (2 courses)	6
American Literature (2 courses)	6
British Literature (2 courses)	6

Journalism Minor

Required Courses

	Semester Hours
ENWR 210 News Reporting	3
ENWR 216 History of Journalism in America	3
ENWR 313 Editing	3

Electives (Three of the following)

ENWR 214 Feature Writing	3
ENWR 300 Meet the Press	3
ENWR 314 Advanced Editing	3
ENWR 315 Magazine Journalism	3
ENWR 316 Reporting of Public Affairs	3
ENWR 416 Interpretive Journalism	3

Special Programs

English Cooperative Education

The English Cooperative Education program places students with strong writing and analytical skills in supervised employment outside the classroom. During the co-op semester the student is advised by a faculty coordinator and the Cooperative Education office and completes the terms of a learning contract.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Prerequisites for admission to the teacher preparation program in English and current requirements in the discipline for both a first and a second teaching field certificate can be obtained in the English Department.

Courses of Instruction

- ENFL 208**
INTRODUCTION TO THE FILM 3.0
 The history and aesthetics of film from its beginning to the present, with special attention to the evolution of technique, influential art movements and national cinemas, pivotal directors and films. Cross listed with Classics and General Humanities, GNHU 208. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
- ENFL 250**
MAJOR FILM DIRECTORS 3.0
 Focusing on the life and work of influential filmmakers, the course addresses such issues as auteur criticism, the nature of successful collaborations (scriptwriting teams, director/cinematographer) and performance theory.
- ENFL 255**
WORLD FILM 3.0
 Films from the major film producing countries including the United States, France, Germany, Italy, Sweden, Russia, England, India and Japan. Within that framework, special topics will be defined: A specific period, a particular theme or problem, comparison/contrast of several national cinemas.
- ENFL 260**
MAJOR FILM GENRES 3.0
 Examples from the major film genres, such as the Western, the crime film, the musical, the horror film, and film noir, with special emphasis on American film and principles of genre criticism.
- ENFL 310**
SCREENWRITING I 3.0
 The art and craft of writing for the screen will be both studied and practiced. After studying the fundamentals of effective cinematic story construction and dialogue writing, students will be required to write a half hour film script.
Prerequisites: GNHU 208 or ENFL 208 and ARFM 200.
- ENFL 350**
THREE DIRECTORS 3.0
 A comparative study of three major film directors. The focus - using an auteurist derived methodology - will be to investigate a common problem or challenge confronted by each of the three directors.
- ENFL 356**
THE CONTEMPORARY FILM 3.0
 Beginning with American film noir and European films which emerged after World War II, the course traces the major films, directors, critical theories and other influences which make up the contemporary film and define a specifically modernist sensibility.
- ENFL 357**
AMERICAN FILM TO 1945 3.0
 An investigation of the foundations and development of the classical Hollywood style focusing on genres and directors of significance.
- ENFL 358**
AMERICAN FILM 1945 TO THE PRESENT 3.0
 An investigation of filmmaking in the United States following World War II, focusing on the genres, directors and aesthetic movements of significance.
- ENFL 360**
FILM COMEDY 3.0
 Film comedies from all periods in relation to comic theory and its application with particular emphasis on American films of the 20's and 30's.
- ENFL 392**
ANALYSIS OF CINEMATIC MOVEMENT 3.0
 In the cinema, movement is created by a variety of strategies; three of the most powerful are the mobility of the camera, the juxtaposition of shots (editing) and aspects of performance. This course will examine the variety of aesthetic dynamics created through camera, editing and performance.
Prerequisites: ENFL 208 or GNHU 208.
- ENFL 490**
SPECIAL TOPICS IN FILM STUDIES 3.0
 A non-survey course to address specific issues in film studies. The course may be taken more than once if different topics are taken.
Prerequisite: Departmental approval.
- ENFL 496**
SEMINAR IN FILM 3.0
 An advanced course devoted to the intensive study of a specialized topic in cinema studies. Topics will vary.
Prerequisite: Departmental approval.
- ENGL 100**
BASIC COMPOSITION 3.0
 Instruction in basic writing skills, with frequent writing assignments. In addition to regular class meetings, students may be required to attend tutorial sessions over as long a period of time as necessary to raise students' skills to college standards. Placement based on scores on the Montclair State University Basic Skills Placement Test. For those placed, this course is prerequisite to ENGL 105.
- ENGL 105**
FRESHMAN COMPOSITION 3.0
 Writing skills and research techniques with frequent writing assignments and a research paper. This course and ENGL 106 are prerequisites for all other English courses. Meets the General Education Requirement - Communication, Writing.
- ENGL 106**
INTRODUCTION TO LITERATURE 3.0
 All forms of literature selected from different periods and cultures. This course and ENGL 105 are prerequisite for all other English courses. Meets the General Education Requirement - Communications, Reading.
Prerequisite: ENGL 105 or HONP 100.
- ENGL 200**
THE PURSUITS OF ENGLISH 4.0
 An inquiry into what constitutes contemporary literary study: its subject matter and its underlying goals and methods. Students study literary and cinematic texts of various genres, as well as literary criticism and theory; inquire into the nature of authorship and of texts; examine and expand their ways of reading, interpreting, and writing about texts; trace the relation of literary criticism to theory; consider the relation of literary study to issues of power; and develop independent habits of thought, research, discussion, and analytic writing that are informed by literary theory and criticism. It is recommended that *The Pursuits of English* be taken before the student accumulates 12 English major credits.
Prerequisite: ENGL 106 or HONP 101; English majors only.
- ENGL 226**
LITERATURE OF THE AMERICAN RENAISSANCE 3.0
Moby Dick and *The Scarlet Letter* among other major works by masters of the American Romantic period - Emerson, Thoreau, Hawthorne, Melville, Whitman and Poe are examined.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 234**
AMERICAN DRAMA 3.0
 American drama chosen for excellence or representative of a significant era or movement in the theatre from the early 18th century imitative works through melodrama to the serious works of the 20th century. Centered on major American playwrights and their work. The course also examines the backgrounds of our modern stage, including readings in minor/historical works.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 238**
BLACK WRITERS IN THE UNITED STATES: A SURVEY 3.0
 Black writers in the United States from colonial times to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 239**
SOCIAL PROTEST LITERATURE IN AMERICA 3.0
 Novels, dramas and poetry of protest against social injustices in the United States since World War I.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 240**
ENGLISH LITERATURE I: BEGINNINGS TO 1660 3.0
 English literature from its beginnings to 1660 examined through representative works of major and minor authors.
Prerequisite: ENGL 106 or HONP 101.

ENGL 241		
ENGLISH LITERATURE II: 1660 TO PRESENT	3.0	
English literature from the Restoration to the present. May be taken independently of English Literature I.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 247		
THE AUGUSTAN AGE	3.0	
Important works of English literature 1660-1745, including poetry, criticism, essays, fiction and drama, examined within the literary, cultural, social and intellectual contexts of the age.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 250		
SPECIAL TOPICS IN ENGLISH OR AMERICAN LITERATURE	3.0	
A survey or genre course on a topic not included in the regular departmental offerings. May be used by English majors as a departmental elective.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 254		
ENGLISH DRAMA: BEGINNINGS TO 1642	3.0	
English drama from its Medieval origins to the closing of the theaters in 1642; from miracles, mysteries and moralities through the development of Tudor and Stuart drama. Shakespeare excluded.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 256		
ENGLISH NOVEL TO 1900	3.0	
Form and theme of the English novel through the 18th and 19th centuries, evaluated by literary, social, moral and cultural criteria.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 260		
ART OF POETRY	3.0	
An introductory course in reading, interpreting, and evaluating poetry. Attention is paid to style, form, and poetic convention.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 262		
ART OF FICTION	3.0	
An introduction to form and techniques in fiction through close reading and discussion of representative texts.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 263		
ART OF DRAMA	3.0	
An introduction to dramatic literature and the ways in which man expresses himself and his community through drama as a blend of word and gesture.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 275		
THE VIETNAM WAR AND AMERICAN CULTURE	3.0	
This course examines the problem of the legacy of the experience of the Vietnam War (sometimes called the "Vietnam Syndrome") as it is reflected in the culture of the United States and primarily in American literature since the end of the war in 1975. Differing discussions and evaluations of the problems bequeathed by the Vietnam war will be examined in works of political commentary, cultural criticism, history, and foreign affairs, as well as in literature. Meets the General Education Requirement - Contemporary Issues.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 294		
WOMEN POETS	3.0	
Selected poets from Sappho through Emily Dickinson to Sylvia Plath examined in relation to contemporary women poets. Meets the Multicultural Awareness Requirement.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 301		
THE NOVELS OF TONI MORRISON	3.0	
This course focuses on the fiction of Toni Morrison. Readings will include her published novels (from 1970 to the present), as well as selections from her critical writings. Such matters as the nature of her prose style, developments of her literary reputation, and place within the literary canon will be studied.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 324		
AMERICAN POETRY TO 1940	3.0	
American poetry from Poe to Langston Hughes with an emphasis on what makes the American voice unique.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 325		
AMERICAN POETRY: WW II TO PRESENT	3.0	
American poetry beginning with William Carlo Williams and continuing to the present with an emphasis on new attitudes, techniques and contributions to American culture.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 326		
EARLY AMERICAN LITERATURE	3.0	
American literature from the Puritans to 1800, tracing the development of colonial and revolutionary thought and the beginning of America's cultural independence.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 336		
AMERICAN LITERARY REALISM	3.0	
The works of James, Howells, Twain, Crane, Norris, Dreiser and others are examined in light of the developing literary concepts of realism, naturalism and social Darwinism in the changing cultural period between 1860 and 1900.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 337		
MODERN AMERICAN FICTION	3.0	
American fiction from 1918 to 1945 with attention to the works, criticism and lives of such authors as Hemingway, Faulkner and Fitzgerald.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 338		
CONTEMPORARY AMERICAN FICTION	3.0	
Developments in American fiction since the 1940's with attention to such authors as Mailer, Roth, Nabokov and Vonnegut.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 343		
MILTON	3.0	
An introduction to the mind and art of Milton. Intensive study of one major work and selections representative of the full range of his achievement.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 344		
CHAUCE	3.0	
<i>Troilus and Criseyde, The Canterbury Tales</i> and some of the minor poems in Middle English. No previous language training required.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 345		
MIDDLE ENGLISH LITERATURE	3.0	
The literature of England from 1100 to 1400 in its historical and social contexts and in relation to continental literature. Where appropriate, works are read in Middle English.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 346		
19TH CENTURY ENGLISH ROMANTIC LITERATURE	3.0	
The revolutionary expression of such poets and essayists as Wordsworth, Coleridge, Shelley, Byron, Keats, Hazlitt, De Quincey and Lamb.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 347		
VICTORIAN PROSE AND POETRY	3.0	
Mid and late 19th century responses to the emergence of modern British society demonstrated in the works of Carlyle, Mill, Ruskin, Huxley, Newman, Arnold, Morris, Tennyson and Browning.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		
ENGL 348		
RENAISSANCE LITERATURE	3.0	
Major poets and prose writers of 16th and early 17th century England such as Sydney, Lyly, Nashe, Greene, Donne and Browne, whose individual contributions in poetry and prose reflect the literary and philosophical preoccupations of the period.		
<i>Prerequisite: ENGL 106 or HONP 101.</i>		

- ENGL 353**
SHAKESPEARE: COMEDIES-HISTORIES 3.0
 Representative comedies and histories: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare's vision of man as actor.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 354**
SHAKESPEARE: TRAGEDIES-ROMANCES 3.0
 Representative tragedies and romances: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare's view of man in the tragic mode and in the later romances.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 364**
CONTEMPORARY POETRY 3.0
 Distinctive movements in poetry since the imagists, comparing the diverse styles, themes and poetic theories of representative poets of English-speaking countries.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 370**
ENGLISH INDEPENDENT STUDY I 2.0-3.0
 A scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest.
Prerequisite: Departmental approval.
- ENGL 371**
ENGLISH INDEPENDENT STUDY II 2.0-3.0
 A second scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest or a study begun in ENGL 370 that continues for a second term.
Prerequisite: Departmental approval.
- ENGL 393**
AMERICAN POLITICAL NOVEL SINCE 1900 3.0
 The political themes reflected in American novels arising from Social Darwinism, Socialism, Communism, World War I, the Great Depression and World War II.
Prerequisites: ENGL 106 or HONP 101 and a survey course in one of the following: American literature, American history, sociology or political science.
- ENGL 444**
17TH CENTURY ENGLISH POETRY 3.0
 The schools of Donne and Jonson and the works of Marvell and Dryden. Milton excluded.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 446**
IRISH RENAISSANCE PERIOD LITERATURE 3.0
 Irish romanticism, naturalism, symbolism and realism in the works of Joyce, Shaw, Yeats and others from the late 1890's to the 1930's.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 456**
20TH CENTURY ENGLISH NOVEL 3.0
 The literary and cultural context and the stylistic and structural changes in representative British novels of the 20th century.
Prerequisite: ENGL 106 or HONP 101.
- ENGL 471**
TEACHING ENGLISH (SECONDARY) 4.0
 Communicating both the discipline and the human dimensions of English as a subject in the classroom, including familiarization with adolescent literature and the uses of computers in the English classroom. A course in the professional sequence not credited to the English major requirements.
Prerequisites: Departmental approval; concurrent or completed intermediate field experience (CURR 410) and permission of the English teacher education coordinator.
- ENGL 493**
SEMINAR IN AMERICAN LITERATURE 3.0
 The works of one major American author in depth or of a group of authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENGL 106 or HONP 101; junior or senior English major.
- ENGL 494**
SEMINAR IN ENGLISH LITERATURE 3.0
 The works of one major English author in depth or of a group of English authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENGL 106 or HONP 101; junior or senior English major.
- ENGM 384**
THE GRAMMARS OF ENGLISH 3.0
 A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as a means of more effective writing and literary analysis. Cross listed with Linguistics, LNGN 384.
Prerequisite: ENGL 106 or HONP 101.
- ENID 398**
AUTOBIOGRAPHY 3.0
 Autobiographical readings, especially in letters, diaries, and journals, from ancient times to the present. Emphasis on the aesthetics of autobiography, autobiography as the mirror of an age, and autobiography as a model of the examined life.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 176**
WORLD LITERATURE: THE COMING OF AGE THEME 3.0
 This course combines Western with non-Western works to approximate an approach to a "global perspective" on literature. It is designed to introduce the student to major works of world literature; to foster an international literary sensibility; to present a variety of cultural perspectives in a context which demonstrates how they are interrelated; to present students with assignments that will direct them toward developing skills of literary analysis and interpretation; and to guide students in deepening their awareness of the connections between national literatures and their cultural contexts. Meets the General Education Requirement - Humanities, World Literature.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 177**
WORLD LITERATURE: VOICES OF TRADITION AND CHALLENGE 3.0
 Organized around the premise that writers have two fundamental ways of responding to the challenge of their culture, conformity or dissent, this course will present literary works in pairs that represent opposing ways of responding to the same subject. Meets the General Education Requirement—Humanities, World Literature.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 250**
SPECIAL TOPICS IN COMPARATIVE LITERATURE 3.0
 A survey or genre course on a topic not included in the regular departmental offerings. Satisfies the departmental major requirement in comparative literature.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 260**
MYTH AND LITERATURE 3.0
 Myth and the myth-making process: the origins, meanings and major archetypes and motifs of Occidental and Oriental myths.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 274**
20TH CENTURY LITERATURE OF IMMIGRATION 3.0
 The Literature of Immigration examines the experience of immigrants to the United States through the fiction, poetry and drama of writers of varying cultural backgrounds to learn about the customs, religions, mores and assimilative strategies of old and new immigrant groups. Literary strategies used by the writers will be emphasized. Meets the Multicultural Awareness Requirement.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 349**
CONTEMPORARY IRISH LITERATURE 3.0
 A study of contemporary Irish writers reflecting cultural, social, political, economic and class changes since the Irish Revival period. Writers include Seamus Heaney, Roddy Doyle, Eavan Boland, and Brian Friel.
Prerequisite: ENGL 106 or HONP 101.

- ENLT 366**
AFRICAN MYTH AND LITERATURE 3.0
 The nature of the sub-Saharan experience and vision through African myths and literary works within the context of culture, criticism and theory. Meets the Multicultural Awareness Requirement.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 367**
CONTEMPORARY AFRICAN LITERATURE 3.0
 A comparative study of the literatures of African writers from countries with a history of British colonialism dating from the 1960's to the present. Topics will include: forms of storytelling and narrative representation; contemporary issues and themes in post-colonial texts; political and aesthetic frameworks; and dissemination of African literatures in a global market. ENLT 176 or 177 recommended. Meets the Multicultural Awareness Requirement.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 372**
WOMEN PROSE WRITERS 3.0
 Readings in the international fiction and non-fiction of women writers. The focus will be on such themes as the nature of the family, changing relationships between women and men, evolving concepts of the "feminine," the impact of colonialism on gender related issues (i.e., work and women's identity) and interrelationships between religion and women's lives.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 373**
LITERARY MODERNISM 3.0
 The intellectual concepts of Futurism, Dada, Surrealism and Expressionism in the early 20th century, which continue to influence literature and art.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 375**
MODERN DRAMA: IBSEN TO O'NEILL 3.0
 Major modern plays and the playwrights whose critical insights and historical perspectives led to their unique contributions.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 376**
MODERN EUROPEAN NOVEL 3.0
 The creative expression of such novelists as Gide, Hesse, Kafka, Proust and Woolf as shaped by events of the period 1910 to 1930, and how these works influenced the future of the novel.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 378**
SCIENCE FICTION 3.0
 Fiction of the future that speculates and extrapolates from the physical and social sciences, selected from both the classics and contemporary writings.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 463**
HISTORY OF CRITICISM 3.0
 The modes of critical thought expressed by major figures in the classical era, their imitators and interpreters in the Renaissance and neo-classic period, the innovators among the romantics, and critics of the 20th century.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 464**
MODERN POETRY TO T.S. ELIOT 3.0
 Works of the French symbolists and the Georgian and imagist poets of Britain, the continent and America whose theories and principles underlie modern poetics.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 465**
AMERICAN-INDIAN THEMES 3.0
American-Indian Themes will be organized around the following topics: attitudes toward the land and the animals; relationship to the divine and its manifestations, gods and goddesses; culture, specifically understood as arts and rituals; gender identities and family structures; political realities of a conquered people; contemporary status of American-Indians and their lives.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 466**
AFRICAN, ASIAN AND CARIBBEAN LITERATURE IN ENGLISH 3.0
African, Asian, and Caribbean Literature in English will include four genres: prose, poetry drama, and performance pieces. Significant connections will be drawn among the varieties of English and the thematic and critical issues being raised by experts who are studying these literatures.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 472**
SEMINAR: IMAGES OF MUSLIM WOMEN IN 20TH CENTURY LITERATURE AND CULTURE 3.0
 Through an exploration of writings by and about Muslim women in parts of the world, students will be encouraged to develop an appreciation of the variety of aesthetic forms and narrative structures embodied therein. Representations in other cultural forms such as film will also be looked at to challenge monolithic assumptions.
Prerequisite: ENGL 106 or HONP 101.
- ENLT 492**
SEMINAR IN COMPARATIVE LITERATURE 3.0
 A culture, era, theme or literary approach studied through international literary masterpieces. Enrollment limited.
Prerequisite: ENGL 106 or HONP 101; junior or senior English major.
- ENWR 200**
CREATIVE WRITING: FICTION, POETRY, DRAMA 3.0
 Writing as a creative process with explorations in poetry, drama, fiction and autobiography.
Prerequisites: ENGL 106 or HONP 101.
- ENWR 204**
ADVANCED EXPOSITORY WRITING 3.0
 A course designed to help general students improve their expository writing beyond the level of skill developed in the freshman composition course. Particular emphasis will be placed on argument and persuasion.
Prerequisite: ENGL 106 or HONP 101.
- ENWR 205**
CREATIVE NONFICTION 3.0
 Advanced writing skills with stress on developing a personal writing style, adapting writing style to various subjects and audiences and experimenting with different modes of exposition.
Prerequisites: ENGL 106 or HONP 101.
- ENWR 206**
BUSINESS WRITING 3.0
 Writing skills essential to the world of work with emphasis on correspondence, analytical reports and proposals.
Prerequisite: ENGL 106 or HONP 101.
- ENWR 207**
TECHNICAL WRITING 3.0
 Writing skills essential in technology, science and industry with emphasis on mechanism and process description, analysis of data, recommendation proposals and formal reports.
Prerequisite: ENGL 106 or HONP 101.
- ENWR 210**
NEWS REPORTING 3.0
 Writing news articles according to contemporary practices. Interviewing techniques are explored as well as a respect for facts, impartiality, and fairness.
Prerequisite: ENGL 106 or HONP 101.
- ENWR 211**
ADVANCED NEWS REPORTING: FIELD EXPERIENCE 4.0
 Combines classroom instruction with extensive off-campus (often evening) field work. Students will have their own reporter "beats" covering various municipalities near Montclair State University on a weekly basis. "Beats" will include town council, city boards and agencies, police, courts, etc. Breaking news stories written to tight deadlines, as well as major analytical pieces. Intense discussion of actual reporting problems encountered in the field: making contacts, using unnamed sources, dealing with officials, canvassing neighborhoods, etc. Emphasis on students' initiative working on their own and relentless follow-through.
Prerequisite: ENWR 210.

ENWR 214	
FEATURE WRITING	3.0
All aspects of writing personality profiles and of writing critical reviews, columns and/or sports features.	
<i>Prerequisite: ENWR 210.</i>	
ENWR 216	
HISTORY OF JOURNALISM IN AMERICA	3.0
Evolution of the American press is examined through research and discussion of significant periods, individuals and issues from 1600 to the present.	
<i>Prerequisite: ENGL 106 or HONP 101.</i>	
ENWR 250	
SPECIAL TOPICS IN WRITING	3.0
A course in writing not included in the regular departmental offerings. May be used by English majors as a departmental elective.	
<i>Prerequisite: ENGL 106 or HONP 101.</i>	
ENWR 300	
MEET THE PRESS	3.0
Study of issues and problems in modern journalism through lectures and by writings of working journalists.	
<i>Prerequisite: ENWR 210.</i>	
ENWR 301	
COOPERATIVE EDUCATION (ENGLISH)	4.0-8.0
A supervised employment experience, outside the classroom, but related to academic study in English. Not included in major requirements.	
<i>Prerequisite: ENGL 106 or HONP 101; departmental approval.</i>	
ENWR 310	
WRITING: DRAMA	3.0
Writing and evaluating dramatic dialogue with consideration of the problems of form, characterization and action. Usually students will complete a one-act play.	
<i>Prerequisite: ENWR 200; departmental approval.</i>	
ENWR 311	
WRITING: FICTION	3.0
Fundamentals and techniques of writing prose fiction (stories and/or novels), with evaluations in class and extensive individual conferences.	
<i>Prerequisite: ENWR 200; departmental approval.</i>	
ENWR 312	
WRITING: POETRY	3.0
Techniques and fundamentals of writing poetry through writing, reading, and professorial evaluations.	
<i>Prerequisite: ENWR 200; departmental approval.</i>	
ENWR 313	
EDITING	3.0
Copy editing, proofreading and basic editorial skills. Articles are analyzed for accuracy, libel, precise diction and tightening.	
<i>Prerequisites: ENWR 210 or 214.</i>	
ENWR 314	
ADVANCED EDITING	3.0
Techniques learned in editing are reinforced. Layout, headlines and production are explored. Rewriting and fitting articles are worked on extensively.	
<i>Prerequisite: ENWR 313.</i>	
ENWR 315	
MAGAZINE JOURNALISM	3.0
Researching, writing and placing feature stories in mass circulation magazines.	
<i>Prerequisite: ENGL 106.</i>	
ENWR 316	
REPORTING OF PUBLIC AFFAIRS	3.0
News articles on the activities of government at the local level, including writing reports on the proceedings of civil and criminal court and city/county executive councils.	
<i>Prerequisite: ENWR 210, or 214, or 313.</i>	
ENWR 407	
ADVANCED LITERARY ANALYSIS	3.0
Writing of interpretive essays; applying traditional and contemporary critical approaches to selected works. Responding to them in scholarly writing.	
<i>Prerequisite: ENGL 106 or HONP 101.</i>	
ENWR 411	
ADVANCED WRITING: FICTION	3.0
Writing of prose with intensive class analyses and individual conferences.	
<i>Prerequisite: Departmental approval.</i>	
ENWR 412	
ADVANCED WRITING: POETRY	3.0
Writing of poetry with intensive class analyses and individual conferences.	
<i>Prerequisite: Departmental approval.</i>	
ENWR 416	
INTERPRETIVE JOURNALISM	3.0
Studying and writing columns, editorials and news articles. Students will compare different styles of interpretive reporting and develop their own skills in this area.	
<i>Prerequisite: ENWR 210.</i>	
ENWR 491	
SEMINAR IN WRITING	3.0
Creative writing, expository writing or theories of the teaching of composition for the advanced student. Enrollment limited.	
<i>Prerequisites: ENGL 106 or HONP 101; junior or senior English major.</i>	

FINE ARTS

SCHOOL OF THE ARTS

Chairperson: Daryl Joseph Moore

The department of Fine Arts offers a Bachelor of Arts and a Bachelor of Fine Arts degree.

The B.F.A. degree program is a pre-professional program with specialization in ceramics, drawing, fibers and textiles, film and video, graphic design, illustration, jewelry, multi-media, painting, papermaking, photography, printmaking and sculpture. Courses in each specialization give intensive pre-professional experience preparing students for professional involvement in the visual arts.

The B.A. is a liberal arts degree with three concentrations: Studio, Art History and Art Education. The program in Studio is for students interested in liberal arts with a rich studio experience specializing in the same areas as those listed above in the B.F.A. program. The Art History program is for students interested in the historical development of art. The program in Fine Arts Education leads to certification to teach in public schools and is intended for students who want to teach art in schools, museums and community centers.

All students, except those interested in the Art History Program, must successfully complete a portfolio review for admission, in addition to meeting the Montclair State requirements. B.F.A. candidates must have an additional portfolio review once accepted to the Department.

Fine Arts Studio Major (BFA)

A pre-professional program for students who seek preparation in the visual arts.

Required Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I (May substitute ARIL 220 Illustration, Beginning I for graphic design students.)	3
ARFD 260 Color Studies I	3
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3
Major Studio Courses	15
Elected Studio Courses*	30
Art History Electives	6
ARGS 280 Art Forum	3
ARHS 462 Senior Seminar	3
ARST 400 Major Studio Project I (B.F.A.)	3
ARST 410 Major Studio Project II (B.F.A.)	10

*Up to 12 semester hours of electives other than studio may be applied if the student receives the prior approval of the B.F.A. Coordinator.

Fine Arts Major (BA)

Studio Concentration

A liberal arts program for students who want a studio concentration.

Required Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I (May substitute ARIL 220 Illustration, Beginning I for graphic design students.)	3
ARFD 100 Design/Foundations of Visual Organizations I, 2D	3
ARFD 110 Design/Foundations of Visual Organizations II, 3D	3
ARFD 260 Color Studies I	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3
Art History Electives	6

Select 6 semester hours from 2 of the following categories:

1. Ancient Art through Medieval
2. Renaissance through Baroque (15th through 18th centuries)
3. 19th or 20th Century
4. Non-Western

Electives (Departmental)

Select 15 semester hours after advisement by the department. Include 3 sequential courses in same area of specialization (e.g. Sculpture, Beginning I; Sculpture, Beginning II; Sculpture, Advanced).

Art History Concentration

A liberal arts program for students whose interest is in the study of the history and development of the art of humankind in all its variations from antiquity to the twentieth century.

Required Courses

	Semester Hours
A. Foundation Courses (15 semester hours):	
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 200 Resources and Methods of Research in the Arts	3
B. Art History Courses (27 semester hours):	
1. Ancient Art History (select one course from the following):	3
ARHS 215 Ancient Art	3
ARHS 328 Survey of Greek Art	3
ARHS 483 Ancient Art in Italy: Etruscan and Roman Art	3
ARHS 455 Selected Problems in Art History (ancient topic only)	3
2. Medieval Art History (select one course from the following):	3
ARHS 322 Early Christian Byzantine Art	3
ARHS 323 Medieval Art	3
ARHS 332 Ancient Art of Europe	3
ARHS 455 Selected Problems in Art History (medieval topic only)	3
3. Renaissance Art History (select one course from the following):	3
ARHS 216 Renaissance Art in Italy: The Fifteenth Century	3
ARHS 324 Northern Renaissance Painting	3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century	3
ARHS 455 Selected Problems in Art History (renaissance topic only)	3
4. Baroque Art History (select one course from the following):	3
ARHS 325 Seventeenth and Eighteenth Century Art	3
ARHS 455 Selected Problems in Art History (17th or 18th century topic only)	3
5. 19th Century Art History (select one course from the following):	3
ARHS 459 Art of the Nineteenth Century	3
ARHS 460 Nineteenth Century American Architecture	3
ARHS 461 Nineteenth Century American Painting	3
ARHS 455 Selected Problems in Art History: 19th century topic only	3
6. 20th Century Art History (select one course from the following):	3
ARHS 331 Modern Art	3
ARHS 451 Contemporary Art	3
ARHS 469 Art of the Twentieth Century	3
ARHS 455 Selected Problems in Art History (20th century topic only)	3

7. Art History electives (select two courses from the following, except courses already taken to fulfill required courses under the above sections)	6
ARHM 340 Museum Practice	3
ARHS 108 Women in Art	3
ARHS 215 Ancient Art	3
ARHS 216 Renaissance Art in Italy: The Fifteenth Century	3
ARHS 220 Art in Non-Western Societies	3
ARHS 230 History of the Print	3
ARHS 250 Modern Philosophies of Art	3
ARHS 275 Afro-American Art	3
ARHS 322 Early Christian Byzantine Art	3
ARHS 323 Medieval Art	3
ARHS 324 Northern Renaissance Painting	3
ARHS 325 Seventeenth and Eighteenth Century Art	3
ARHS 326 The Critical Approach	3
ARHS 327 Asian Art	3
ARHS 328 Survey of Greek Art	3
ARHS 329 American Art	3
ARHS 331 Modern Art	3
ARHS 332 Ancient Art of Europe	3
ARHS 450 Modern Architecture	3
ARHS 451 Contemporary Art	3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century	3
ARHS 454 Field Trips in Art History	3
ARHS 455 Selected Problems in Art History	3
ARHS 457 Pre-Colombian, Oceanic, and African Art	3
ARHS 458 African Art: Sub-Saharan	3
ARHS 459 Art of the Nineteenth Century	3
ARHS 460 Nineteenth Century American Architecture	3
ARHS 461 Nineteenth Century American Painting	3
ARHS 469 Art of the Twentieth Century	3
ARHS 477 History of Photography	3
ARHS 478 Art in Public Places	3
ARHS 483 Ancient Art in Italy: Etruscan and Roman Art	3
8. Senior Thesis Course	3
ARHS 484 Independent Study: Senior Thesis (B.A. in Art History)	3
C. Required Collateral Courses (24 semester hours):	
1. GNHU 285	Mythology (fulfills GER World Lit) 3
2. Foreign Language	12
Two years in one of the following: French, German, Italian, or Latin (fulfills GER language requirement and J elective). Students who begin their foreign language requirement beyond the beginning level are still required to take a total of 12 semester hours in a foreign language.	
3. Studio Elective (select 3 semester hours from the following:	
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I	3
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing, Beginning I	3
ARFD 260 Color Studies I	3
ARFI 200 Fibers and Fabrics, Beginning I	3
ARFI 201 Textile Design, Introduction	3
ARFI 281 Global Textiles	3
ARFM 200 Film Making, Beginning I	3
ARFV 220 Video with Computer Multi-Media, Introduction A	3
ARIL 200 Illustration, Beginning I	3
ARIL 260 Introduction to Cartooning	3
ARIL 261 Humor/Satirical Illustration for Publication	3
ARMJ 200 Metalwork and Jewelry, Beginning I	3
ARPA 200 Painting, Beginning I	3
ARPA 260 Figurative Painting	3
ARPG 260 Introduction to Papermaking	3
ARPH 200 Photography, Beginning I, Contemporary Art Form	3
ARPM 200 Printmaking, Beginning I	3
ARPM 260 Etching and Relief Printing	3
ARPM 261 Lithography	3
ARPM 262 Screen Printing	3
ARSC 200 Sculpture, Beginning I	3
ARSC 210 Sculpture, Beginning II	3
4. Externship	
ARHM 460 Externship in Museum Studies	3
5. Religion	
RELG 200 Old Testament: Genesis - Joshua	3
OR	
RELG 204 New Testament Jesus and the Gospels	3

Free Electives

1. Second Foreign Language - Students in art history should be aware that most graduate schools require a reading knowledge of French and German before admission. Latin and Italian or Spanish, depending on the student's area of study, may also be required. It is strongly recommended that students achieve a reading level such that they can do an accurate translation from French or German with a dictionary in a reasonable amount of time.
2. PHIL 260 Philosophies of Art
3. Studio Courses
4. Archeology elective
5. ARGS 280 Art Forum
6. Theatre or Music History

Students are strongly urged to take as many courses as possible in the history, literature, religion, and philosophy of their area of interest (that is, Ancient, Medieval, Renaissance, 17th-18th Century, Modern, or the art of a particular region). Those interested in Ancient Art are encouraged to complete a Minor in Archeology (18 semester hours) and to study Latin and ancient Greek. Those interested in Medieval, renaissance, and Baroque art are encouraged to take both Old Testament and New Testament courses as well as Latin.

Fine Arts Education Concentration

A degree program for students who wish to teach art in various settings including museums, community centers, and schools. Certification is for grades kindergarten through 12.

Required Courses

		Semester Hours
ARCE	200 Ceramics: Pottery and Sculpture, Beginning I	3
ARDW	200 Drawing, Beginning I	3
	OR	
ARDW	201 Life Drawing, Beginning I	3
ARED	301 Foundations of Methods and Curriculum in Art Education I: K-12	3
ARED	401 Foundations of Methods and Curriculum in Art Education II: K-12	3
ARFD	100 Design/Foundations of Visual Organization I, 2D	3
ARFD	110 Design/Foundations of Visual Organization II, 3D	3
ARFD	260 Color Studies I	3
ARFI	200 Fibers and Fabrics, Beginning I	3
ARGD	200 Graphic Design Beginning I	3
ARHS	105 Art in Western Civilization: Ancient and Medieval	3
ARHS	106 Art in Western Civilization: Renaissance to Modern	3
ARMJ	200 Metalwork and Jewelry Beginning I	3
ARPA	200 Painting, Beginning I	3
ARPF	220 Theatre Arts I	3
ARPH	200 Photography I: A Contemporary Art Form	3
ARPM	200 Printmaking, Beginning I	3
ARSC	200 Sculpture, Beginning I	3

Elective (Departmental)

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Courses of Instruction

ARAN 190

INTRODUCTION TO THE VISUAL ARTS 3.0

The ways in which people have expressed themselves in the visual arts including painting, ceramics, sculpture, weaving, printmaking, architecture, the theater, motion pictures and photography, explored through studio work, demonstrations and trips to art sources. The nature and experience of art, their significance to the individual and their role in a culture. For non-majors. Meets the General Education Requirement-Fine and Performing Arts: Art Appreciation.

Prerequisite: Special fee.

ARCE 200

CERAMICS: POTTERY AND SCULPTURE, BEGINNING I 3.0

Forming methods, clay composition, glazing and firing, the history of ceramics. Meets the General Education Requirement - Electives, Creative Expression.

Prerequisite: Special fee.

ARCE 210

CERAMICS: POTTERY AND SCULPTURE, BEGINNING II 3.0

Continuation of ARCE 200. Meets the General Education Requirement - Electives, Creative Expression.

Prerequisite: ARCE 200. Special fee.

ARCE 300

CERAMICS: POTTERY AND SCULPTURE, INTERMEDIATE 3.0

Continuation of ARCE 210.

Prerequisite: ARCE 210. Special fee.

ARCE 400

CERAMICS: POTTERY AND SCULPTURE, ADVANCED 3.0

Continuation of ARCE 300. May be repeated for a maximum of nine credits.

Prerequisite: Departmental approval. Special fee.

ARCE 450

INDEPENDENT STUDY IN CERAMICS: POTTERY AND SCULPTURE 3.0

Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.

Prerequisite: Instructor's permission. Special fee.

ARDW 200

DRAWING, BEGINNING I 3.0

Basic elements of line, point, shape, figure-ground, and space relationships. Meets the General Education Requirement - Electives, Creative Expression.

Prerequisite: Special fee.

ARDW 201

LIFE DRAWING, BEGINNING I 3.0

The structure and proportions of the human form. Expressive drawing is emphasized. Meets the General Education Requirement - Electives, Creative Expression.

Prerequisite: Special fee.

ARDW 210

DRAWING, BEGINNING II 3.0

Continuation of ARDW 200. Meets the General Education Requirement - Electives, Creative Expression.

Prerequisite: ARDW 200. Special fee.

ARDW 211

LIFE DRAWING, BEGINNING II 3.0

Continuation of ARDW 201. Meets the General Education Requirement - Electives, Creative Expression.

Prerequisite: ARDW 201. Special fee.

ARDW 300

DRAWING, INTERMEDIATE 3.0

Continuation of ARDW 210.

Prerequisite: ARDW 210. Special fee.

ARDW 301

LIFE DRAWING, INTERMEDIATE 3.0

Continuation of ARDW 211.

Prerequisite: ARDW 211. Special fee.

ARDW 400

DRAWING, ADVANCED 3.0

Continuation of ARDW 300. May be repeated for a maximum of nine credits.

Prerequisite: ARDW 300. Special fee.

ARDW 401

LIFE DRAWING, ADVANCED 3.0

Continuation of ARDW 301. May be repeated for a maximum of nine credits.

Prerequisite: ARDW 301. Special fee.

ARDW 450

INDEPENDENT STUDY IN DRAWING 3.0

Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of 9 credits.

Prerequisite: Departmental approval. Special fee.

ARDW 451

INDEPENDENT STUDY IN LIFE DRAWING 3.0

Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.

Prerequisite: Departmental approval. Special fee.

ARED 301

FOUNDATIONS OF METHODS AND CURRICULUM IN ART EDUCATION I: K-12 3.0

Philosophical and theoretical basis of fine arts education; the sources of creativity, concepts of visual literacy and the role of art in individual human experience and in society; organization and presentation of experience, curriculum construction and application of theory to the school, museum, community center, adult education and other reaching situations. For fine arts education majors; this course must be taken simultaneously with *Teacher, School and Society* in the spring of the junior year.

Prerequisite: PSYC 200; Fine Arts Education majors only. Special fee.

ARED 401

FOUNDATION OF METHODS AND CURRICULUM IN ART EDUCATION II: K-12 3.0

Organization and presentation of art experiences for a wide variety of teaching situations, including K-12, adult classes, museum settings and community centers. Exploration of media, understanding their expressive range, proficiency in their use, and adaptation to various teaching goals. Integration of theory and media.

Prerequisite: ARED 301; Fine Arts Education majors only. Special fee.

ARFD 100

DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION I, 2D 3.0

Required for art majors. This core course deals with the foundations of visual organization. It is structured to develop the student's vocabulary, both visual and verbal through studio experience, lectures and discussions. The student's perception is heightened by emphasis on light, line, color, plane, texture, form, shape, time as basic elements in all art forms. Two and three dimensional concepts are introduced through a variety of materials and processes. Reading assignments, museum and gallery visits are required.

Prerequisite: Special fee.

ARFD 110

DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION II, 3D 3.0

Continuation of ARFD 100. Required of all art majors.

Prerequisite: ARFD 100.

ARFD 260

COLOR STUDIES I 3.0

Color and its interaction through problems in color relatedness, systems and theories. Color usage, the development of skills in paint application, use of colored papers and techniques of presentation. Lectures, discussions, reading assignments, museum and gallery visits.

Prerequisite: ARFD 100. Special fee.

ARFD 360

COLOR STUDIES II 3.0

Continuation of ARFD 260.

Prerequisite: ARFD 260. Special fee.

ARFD 363

INTRODUCTION TO COMPUTER GRAPHICS 3.0

Learning how the Macintosh works, and how it is beneficial to the graphic designer and artist. Introduction to the programs Microsoft Word, Adobe Illustrator, Adobe Photoshop, and QuarkXpress. Using the scanner to input line art, gray-scale and color images. Black and white, and color output.

Prerequisite: Special fee.

- ARFI 200
FIBERS AND FABRICS, BEGINNING I 3.0
Techniques employed by fiber artists and the textile industry; on-loom and off-loom weaving, spinning and vegetable dyeing, and fabric and fiber techniques in contemporary work. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.
- ARFI 201
TEXTILE DESIGN, INTRODUCTION 3.0
Pattern rendering and putting designs into repeat for the textile industry. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.
- ARFI 210
FIBERS AND FABRICS, BEGINNING II 3.0
One or more areas of endeavor selected for exploration. Emphasizes research into the various techniques and mastery of the methods. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: ARFI 200. Special fee.
- ARFI 222
SURFACE DESIGN, INTRODUCTION A 3.0
Selected printing, dyeing and fabric manipulation techniques. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.
- ARFI 232
SURFACE DESIGN, INTRODUCTION B 3.0
Continuation of ARFI 222. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: ARFI 222. Special fee.
- ARFI 300
FIBERS AND FABRICS, INTERMEDIATE 3.0
Further exploration of a technique or techniques selected by the student. A research paper on the historical implications of a technique and a final project are required.
Prerequisite: ARFI 210. Special fee.
- ARFI 301
TEXTILE DESIGN, ADVANCED 3.0
Advanced course in designing prints for the textile industry. Primary emphasis is the further development of a personal aesthetic appropriate to industry needs as well as that of the student-designer. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 201. Special fee.
- ARFI 322
SURFACE DESIGN, INTERMEDIATE 3.0
Continuation of ARFI 232.
Prerequisite: ARFI 232. Special fee.
- ARFI 400
FIBERS AND FABRICS, ADVANCED 3.0
Exploration of area or areas of textile techniques selected by the student. An exhibit of work done during the semester is to be planned and hung by the student. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 300. Special fee.
- ARFI 422
SURFACE DESIGN, ADVANCED 3.0
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.
- ARFI 451
INDEPENDENT STUDY IN TEXTILES 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval.
- ARFM 200
FILM MAKING, BEGINNING I 3.0
Basic elements of 16 mm film production: script, camera, lighting, sound, editing, animation. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.
- ARFM 210
FILM MAKING BEGINNING II 3.0
Basic elements of 16 mm film production. Script, camera, lighting, sound, editing, animation. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: ARFM 200. Special fee.
- ARFM 280
FILM AS ART: HISTORICAL AND CONTEMPORARY 3.0
The development of the motion picture as an art form from its earliest stages to the present; the technical, social, economic, cultural and esthetic factors. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
- ARFM 300
FILM MAKING, INTERMEDIATE 3.0
Continuation of ARFM 210.
Prerequisite: ARFM 210. Special fee.
- ARFM 400
FILM MAKING, ADVANCED 3.0
Continuation of ARFM 300. May be repeated for a maximum of nine credits.
Prerequisite: ARFM 300. Special fee.
- ARFM 450
INDEPENDENT STUDY IN FILM 3.0
Topics selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval.
- ARFV 220
VIDEO WITH COMPUTER MULTI-MEDIA, INTRODUCTION A 3.0
Students are introduced to criteria for aesthetic decision-making by producing video projects that record the real world, persuade or move viewers to action, express the student's personal visions and illustrate aesthetic values. Students are given skills of video production and its relationship to visual aesthetics. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.
- ARFV 230
VIDEO WITH COMPUTER MULTI-MEDIA, INTRODUCTION B 3.0
Continuation of ARFV 220.
Prerequisite: ARFV 220. Special fee.
- ARFV 320
VIDEO WITH COMPUTER MULTI-MEDIA, INTERMEDIATE 3.0
Continuation of ARFV 230.
Prerequisite: ARFV 230. Special fee.
- ARFV 420
VIDEO COMPUTER MULTI-MEDIA, ADVANCED 3.0
Continuation of ARFV 320. May be repeated for a maximum of 9 credits.
Prerequisites: ARFV 320. Special fee.
- ARGD 200
GRAPHIC DESIGN, BEGINNING I 3.0
Introduction to graphic design principles. This course is involved in taking basic design information and translating it into a graphic design context, with main emphasis on communicating original ideas in a creative manner. Projects deal with graphic design principles, i.e., visual communication of information, composition, color, type, illustration, materials and methods of graphic design. Introduction to critique and presentation, along with the principle of the designer/client relationship.
Prerequisites: ARFD 100. Special fee.
- ARGD 210
GRAPHIC DESIGN, BEGINNING II 3.0
Focus on the various disciplines within graphic design: print (flat and folding), package, product and environmental graphics. Further exploration of type-faces and use of typography as well as advanced methods of comping and presentation. Emphasis on hand comping and computer typesetting. Beginning development of student portfolio. Overview of the history of design.
Prerequisite: ARGD 200. Special fee.

- ARGD 221
TYPOGRAPHY I 3.0
 Typographic design including headline, body copy design and the fine points of kerning, leading column width, copy color, mixing of faces and use of negative space in typographic composition. Hand and computer comping of type. Current trends in typography.
Prerequisites: ARGD 210. *Special fee.*
- ARGD 300
GRAPHIC DESIGN INTERMEDIATE 3.0
 Layout and mechanicals. Printing methods and proper preparation of mechanicals and computer files for pre-press and printing. Advanced comping methods (computer, printing papers, marker comping). Continued development of portfolio of student work.
Prerequisites: ARGD 210. *Special fee.*
- ARGD 400
GRAPHIC DESIGN, ADVANCED I 3.0
 Class emphasis is on reinforcing the design process, along with learning the business of design, i.e., bidding, contracts, scheduling and client presentation. In-class work time is divided between studio and computer lab. Student will develop a portfolio of their work for final review.
Prerequisite: ARGD 300. *Special fee.*
- ARGD 410
INTRODUCTION TO INTERACTIVE MULTIMEDIA DESIGN AND DEVELOPMENT 3.0
 This course will provide students with both a conceptual background and working knowledge necessary to produce a variety of interactive multimedia materials. The focus will be on the skills, techniques and creative components, including the integration of audio and video sources in preparing multimedia presentations. Instruction in the use of Microsoft Powerpoint, Macromedia Authorware and Macromedia Director, for creating multimedia pieces, will comprise the core of instruction and student work in this course.
- ARGD 422
ADVANCED COMPUTER GRAPHICS 3.0
 Advanced problems in graphic design on the Macintosh computer. Emphasis will be placed on utilizing the Macintosh for solving design problems. Advanced page layout and graphic programs will be explored. Course is oriented toward the graphic designer.
Prerequisite: ARFD 363 and ARGD 210. *Special fee.*
- ARGD 423
ADVERTISING DESIGN 3.0
 The specific nature of advertising and its connection to graphic design. What is involved in creating an advertising campaign. How designers work with advertisers and copywriters. A brief history of advertising and advertising agencies.
Prerequisite: ARGD 300 or departmental approval.
- ARGD 424
PUBLICATION DESIGN 3.0
 How to effectively design a publication so that it easily communicates the client's needs. Combining type, photography and illustration in a page layout. Variations and limitations encountered in designing a publication. Design systems used in creating publications.
Prerequisite: ARGD 300.
- ARGD 434
PACKAGE DESIGN 3.0
 A survey of the state of the art in packaging. Course projects will be based on the consumer product industry. Graphic problems for three-dimensional objects and display. Package design comprehensive techniques for art director and client presentation. Grasping product essence and interpreting client needs and the demands of the marketplace.
Prerequisite: ARGD 300. *Special fee.*
- ARGD 460
GRAPHIC DESIGN, ADVANCED II 3.0
 Designing in the real world; the business of visual problem solving. Creating proposals, schedules, fees. With successful completion of this course, the student will have created a resume and professional portfolio for use in the field.
Prerequisite: ARGD 400. *Special fee.*
- ARGS 260
VISUAL ARTS WORKSHOP 1.0-12.0
 Selected studio topics which represent current concerns within the contemporary world of the visual arts. May be repeated for credit.
Prerequisite: *Special fee.*
- ARGS 280
ART FORUM 3.0
 A series of lectures/presentations by artists, critics, museum directors, art historians; and visits to museums and galleries. Introduces students to the creative process, philosophies of art, and the role of art in life. May be repeated for a maximum of nine credits. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARGS 350
INDEPENDENT STUDY 1.0-6.0
 Topics for investigation selected with approval of the instructor. May be repeated for a maximum of twelve credits.
Prerequisite: Departmental approval. *Special fee.*
- ARGS 441
EXTERNSHIP IN STUDIO 2.0-8.0
 Involvement beyond the campus in a museum, art institution, or industry or gallery, participation in inner city programs or study with an independent artist/craftsperson. Approval by supervising faculty, shall not exceed eight credit hours in total per semester. May be repeated for a maximum of twelve credits.
Prerequisite: Departmental approval.
- ARHM 320
EXHIBITION WORKSHOP I 1.0
 Exhibition techniques and procedures. Mounting of shows on campus.
Prerequisite: *Special fee.*
- ARHM 340
MUSEUM PRACTICE 3.0
 A study of museum techniques, much of it at museums in the metropolitan area with the participation of their staffs. Field trips and, if possible, brief apprenticeships.
Prerequisite: *Special fee.*
- ARHM 460
EXTERNSHIP IN MUSEUM STUDIES 2.0-8.0
 Involvement beyond the campus in a museum, art institution, or gallery. Approval by a supervising faculty member required. May be repeated for credit. Total semester hours shall not exceed eight hours.
Prerequisite: Departmental approval. *Special fee.*
- ARHS 105
ART IN WESTERN CIVILIZATION: ANCIENT AND MEDIEVAL 3.0
 The history of Western art and architecture from prehistory through the Middle Ages. Included among others are the arts of Ancient Egypt and the Near East, Greece, Rome and early Christianity. Museum visits and extensive reading. Required for Fine Arts majors. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARHS 106
ART IN WESTERN CIVILIZATION: RENAISSANCE TO MODERN 3.0
 The history of Western art and architecture from the fifteenth century to the present. Included are the arts of the Renaissance, Baroque, Rococo, Romantic, Impressionist and Modern periods. Museum visits and extensive reading. Required for Fine Arts majors. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARHS 108
WOMEN IN ART 3.0
 The role and status of women in art from the Old Stone Age through the present; the special roles of women in the past in society, the role of women artists in Western culture from the Renaissance to the present; depictions of women in different iconographic categories; women as artists today. Meets the General Education Requirement—Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*

- ARHS 200
RESOURCES AND METHODS OF RESEARCH IN THE ARTS 3.0
Bibliographic and other scholarly resources; the special problems of scholarship and research.
Prerequisite: Special fee.
- ARHS 215
ANCIENT ART 3.0
The origins of art and the civilizations of the ancient world; Paleolithic man and the Sumerian, Hittite, Assyrian, Phoenician and Egyptian civilizations. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 216
RENAISSANCE ART IN ITALY: THE FIFTEENTH CENTURY 3.0
The formation of Renaissance painting, sculpture and architecture during the Quattrocento; Masaccio, Mantegna, Donatello, Brunelleschi, and Alberti emphasized.
Prerequisite: Special fee.
- ARHS 220
ART IN NON-WESTERN SOCIETIES 3.0
A consideration of the role of art in traditional non-Western societies. Includes an examination of the integration of art into the society as a whole—the religions, economics, environment, and social order. The role art plays in social change and how it is affected by social change. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 230
HISTORY OF THE PRINT 3.0
The principal types of prints from their beginnings to today. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 250
MODERN PHILOSOPHIES OF ART 3.0
The work of major writers about art in the nineteenth and twentieth centuries; the nature of the creative experience, the function of art in the life of the individual and of society, the nature of the creative process, the rise of new materials and institutions; the development of sentiments and attitudes affecting thinking in the field. Meets the General Education Requirement - Humanities, General Humanities.
Prerequisite: Special fee.
- ARHS 275
AFRO-AMERICAN ART 3.0
Afro-American art in the United States from colonial times to the present. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 322
EARLY CHRISTIAN-BYZANTINE ART 3.0
The emergence and development of early Christian art from its classical and late classical antecedents and its development up to Byzantine art.
Prerequisite: Special fee.
- ARHS 323
MEDIEVAL ART 3.0
Painting, sculpture and architecture in the Romanesque and Gothic Periods.
Prerequisite: Special fee.
- ARHS 324
NORTHERN RENAISSANCE PAINTING 3.0
Fifteenth and sixteenth century painting in northern Europe with particular attention to Flanders and Holland; emphasis on Jan Van Eyck, Van Der Weyden, Bosch, Peter Bruegel and Matthias Gruenewald.
Prerequisite: Special fee.
- ARHS 325
SEVENTEENTH AND EIGHTEENTH CENTURY ART 3.0
Painting, sculpture, and architecture in western Europe from 1600 to 1800; Baroque and Rococo styles with emphasis on El Greco, Bernini, Rubens, Rembrandt, Poussin and Watteau.
Prerequisite: Special fee.
- ARHS 327
HISTORY OF ORIENTAL ART 3.0
The factors that shaped oriental society; the art of China, Korea, Japan, India, Southeast Asia and the neighboring Islamic world. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 328
SURVEY OF GREEK ART 3.0
Greek art including painting, sculpture and architecture from the Bronze Age through the Hellenistic period. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 329
AMERICAN ART 3.0
Art in the United States from the colonial period through the nineteenth century; the development of an American style in the light of its relationship to and dependence upon European art.
Prerequisite: Special fee.
- ARHS 450
MODERN ARCHITECTURE 3.0
Major contributions to the development of modern architecture in the nineteenth and twentieth centuries; the development of styles, structural innovations and theories of design. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 451
CONTEMPORARY ART 3.0
The work of major artists of the twentieth century with particular reference to the dominant ideas of the period; readings, museum trips, discussion of contemporary writing and criticism.
Prerequisite: Special fee.
- ARHS 452
RENAISSANCE ART IN ITALY: THE SIXTEENTH CENTURY 3.0
The great masters of the Cinquecento: Leonardo, Michelangelo, Raphael, Giorgione and Titian; the emergence of Mannerist art and architecture in Rome, Venice, Florence and Bologna.
Prerequisite: Special fee.
- ARHS 455
SELECTED PROBLEMS IN ART HISTORY 3.0
A seminar in topics like the works of an individual artist or a particular theme in art history (e.g. the human figure) or a particular technique (e.g. sculpture); lectures, reports, museum and studio visits, discussion. May be repeated for credit.
Prerequisite: Special fee.
- ARHS 458
AFRICAN ART: SUB-SAHARAN 3.0
The painting, sculpture and minor arts of the cultures of Africa; prehistoric remains and art traditions of the more recent past in the context of stylistic groupings; relation to ceremony and to daily life; symbolism and relations to the arts of other cultures. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 459
ART OF THE NINETEENTH CENTURY 3.0
The major movements of the nineteenth century: Classicism, Romanticism and Realism; the salon at mid-century; Impressionism; Post-Impressionism.
Prerequisite: Special fee.
- ARHS 462
SENIOR SEMINAR 3.0
Seminar in selected artistic problems of historic, social and philosophical nature.
Prerequisite: Departmental approval. Special fee.
- ARHS 469
ART OF THE TWENTIETH CENTURY 3.0
From Picasso to today; scientific and social forces transforming the artist's vision, including the theories of Freud and Bergson.
Prerequisite: Special fee.

- ARHS 477
HISTORY OF PHOTOGRAPHY 3.0
The roots of photography, its practitioners and the social and historical circumstances surrounding its creation.
Prerequisite: Special fee.
- ARHS 483
INDEPENDENT STUDY IN ART HISTORY 2.0-8.0
May be repeated for a maximum of twelve credit.
Prerequisite: Departmental approval. Special fee.
- ARHS 484
INDEPENDENT STUDY: SENIOR SEMINAR (B.A. ART HISTORY) 3.0
With art history faculty advisement, each senior student will conduct a course of research in art history and complete a scholarly paper.
Prerequisites: ARHS 200 and departmental approval. Special fee.
- ARHS 485
ANCIENT ART IN ITALY: ETRUSCAN AND ROMAN ART 3.0
The arts of the Etruscans and Romans in their historical, cultural and religious settings.
Prerequisite: Special fee.
- ARIL 220
ILLUSTRATION, BEGINNING I 3.0
A study of the major historical and contemporary themes of illustration and its influences. Through slide presentation the work of leading illustrators will be shown and discussed and the relationship between illustration and fine art will be explored. Illustration assignments will provide concrete experience of the related thematic issues and introduce formal approaches and relevant techniques.
Prerequisite: ARFD 100. Special fee.
- ARIL 230
ILLUSTRATION, BEGINNING II 3.0
Approaches to illustration and applications of illustration techniques within selected professional fields, such as book illustration and children's book illustration; media illustration; record, greeting card and poster illustration; and humorous and satirical illustration. One of these professional fields will be explored each semester, in rotation.
Prerequisite: ARIL 220. Special fee.
- ARIL 260
INTRODUCTION TO CARTOONING 3.0
A studio exploration of the single-panel cartoon, humorous illustration, and the editorial cartoon through discussion, examination and experimentation. Cartoon formats, concepts, styles, techniques and history will be discussed. The student will experience creating cartoons from the isolation of an idea to the point of completion for publication. Students will receive on-going one-on-one critiques. Each major project assignment will culminate in a group critique, which will also serve as the "publication deadline" for each project.
Prerequisite: Special fee.
- ARIL 261
HUMOR/SATIRICAL ILLUSTRATION FOR PUBLICATION 3.0
Designing comic illustration for publication; development of a visual concept; translating the concept into a rough layout; readying the work for publication. Meets the General Education Requirement - Electives, Creative Expression.
- ARIL 320
ILLUSTRATION, INTERMEDIATE 3.0
Continuation of ARIL 230.
Prerequisite: ARIL 230. Special fee.
- ARIL 420
ILLUSTRATION, ADVANCED 3.0
Continuation of ARIL 320. May be repeated for a maximum of nine credits.
Prerequisite: ARIL 320. Special fee.
- ARMJ 200
METALWORK AND JEWELRY, BEGINNING I 3.0
Introduction to metal working and jewelry techniques traditionally used in the shaping of useful articles.
Prerequisite: Special fee.
- ARMJ 210
METALWORK AND JEWELRY, BEGINNING II 3.0
Advanced design concepts and metalworking techniques.
Prerequisite: ARMJ 200. Special fee.
- ARMJ 300
METALWORK AND JEWELRY, INTERMEDIATE 3.0
Traditional techniques, advanced design concepts and techniques.
Prerequisite: Departmental approval. Special fee.
- ARMJ 400
METALWORK AND JEWELRY, ADVANCED 3.0
Continuation of ARMJ 300. May be repeated for a maximum of nine credits.
Prerequisite: ARMJ 300. Special fee.
- ARMJ 450
INDEPENDENT STUDY IN METALWORK AND JEWELRY 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval.
- ARPA 200
PAINTING, BEGINNING I 3.0
Exploration of painting media and modes of expression. Reading, gallery and museum visits. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.
- ARPA 210
PAINTING, BEGINNING II 3.0
Continuation of ARPA 200. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: ARPA 200. Special fee.
- ARPA 260
FIGURATIVE PAINTING 3.0
Rendering the human figure and expressing creative insights into figurative painting. May be repeated for a maximum of nine credits. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: ARPA 200.
- ARPA 300
PAINTING, INTERMEDIATE 3.0
Continuation of ARPA 210.
Prerequisite: ARPA 210. Special fee.
- ARPA 400
PAINTING, ADVANCED 3.0
Continuation of ARPA 300. May be repeated for a maximum of nine credits.
Prerequisite: ARPA 300. Special fee.
- ARPA 450
INDEPENDENT STUDY IN PAINTING 3.0
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval.
- ARPG 260
INTRODUCTION TO PAPERMAKING 3.0
Basic methods of making handmade paper as an art form; history and basic principles of handmade paper; contemporary directions and methods of forming.
Prerequisite: Special fee.
- ARPG 360
INTERMEDIATE PAPERMAKING 3.0
Continuation of ARPG 260. Two-dimensional and three-dimensional forms. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: ARPG 260. Special fee.
- ARPG 460
ADVANCED PAPERMAKING 3.0
Continuation of ARPG 360. Development of personal expression and direction in the body of work produced. May be repeated for a maximum of nine credits.
Prerequisite: ARPG 360. Special fee.
- ARPH 200
PHOTOGRAPHY BEGINNING I: CONTEMPORARY ART FORM 3.0
The essentials of the photographic process including developing, enlarging, and exhibiting. Trips, films, discussions, lectures, criticism and demonstration. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: Special fee.

ARPH 210		
PHOTOGRAPHY BEGINNING II: CONTEMPORARY ART FORM	3.0	
The essentials of the photographic process including developing, enlarging, portfolio creation, exhibiting, trips, videos, discussion, lecture, critiques, and demonstrations. A continuation of ARPH 200, Photography Beginning I: Contemporary Art Form.		
<i>Prerequisite: ARPH 200. Special fee.</i>		
ARPH 260		
PHOTOGRAPHY TRANSPARENCY MATERIALS	3.0	
Control and manipulation of color and monochrome transparency materials. Emphasis on visual awareness, personal direction, and technical skills.		
<i>Prerequisite: ARPH 200.</i>		
ARPH 300		
PHOTOGRAPHY INTERMEDIATE: CONTEMPORARY ART FORM	3.0	
Continuation of ARPH 210. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: ARPH 210. Special fee.</i>		
ARPH 361		
SPECIAL PROCESS IN PHOTOGRAPHY	4.0	
Non-traditional light sensitive materials for use in the photographic image-making process. Extension of traditional boundaries of photography through new tools permitting greater image manipulation: gumbichromate, cyanotype, platinum, photo etching, and others.		
<i>Prerequisite: ARPH 300. Special fee.</i>		
ARPH 400		
PHOTOGRAPHY ADVANCED: CONTEMPORARY ART FORM	3.0	
Workshop, discussion, lecture, demonstrations, criticism; photography as an intensive learning experience; light sensitive materials, controls, photographic approach, selection, system and view camera. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPH 300. Special fee.</i>		
ARPH 451		
INDEPENDENT STUDY IN PHOTOGRAPHY: CONTEMPORARY ART FORM I	3.0	
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARPH 462		
THE COLOR PRINT, A CONTEMPORARY ESTHETIC APPROACH	4.0	
Photographic and printing techniques for the color prints; history of color photographic print; museum and gallery visits.		
<i>Prerequisite: ARPH 400. Special fee.</i>		
ARPH 463		
COMMERCIAL PHOTOGRAPHY	4.0	
Workshop and problem-solving of commercial applications in photography; view camera to 35mm, color and black and white materials, studio lighting, photo illustration, photo essay, marketing. Field trips, visiting professionals.		
<i>Prerequisite: ARPH 400. Special fee.</i>		
ARPM 200		
PRINTMAKING, BEGINNING I	3.0	
Woodcut, screen printing and monographs; etching, drypoint and lithography. Exploration of new and advanced techniques. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARPM 210		
PRINTMAKING, BEGINNING II	3.0	
Consideration of printmaking media; particular attention to the growth and development of art-making concepts as they relate to the printmaking processes.		
<i>Prerequisite: ARPM 200. Special fee.</i>		
ARPM 260		
ETCHING AND RELIEF PRINTING	3.0	
Drypoint, engraving, etching and major techniques like line and open bite, soft ground, stop out procedure, lift ground, mezzotint and aquatint. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: ARPM 200. Special fee.</i>		
ARPM 261		
LITHOGRAPHY	3.0	
Chemicals, tools, materials and techniques of the process. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: ARPM 200.</i>		
ARPM 262		
SCREEN PRINTING	3.0	
Screen printing including misfit, tusche, glue, lacquer and stencil and photographic techniques.		
<i>Prerequisite: Special fee.</i>		
ARPM 300		
PRINTMAKING, INTERMEDIATE	3.0	
Continuation of ARPM 210.		
<i>Prerequisite: ARPM 210. Special fee.</i>		
ARPM 400		
PRINTMAKING, ADVANCED	3.0	
Continuation of ARPM 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPM 300. Special fee.</i>		
ARPM 450		
INDEPENDENT STUDY IN PRINTMAKING	3.0	
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisites: Departmental approval.</i>		
ARSC 200		
SCULPTURE, BEGINNING I	3.0	
Sculptural concepts using materials like plaster, metal, plastics, stone and wood. Gallery and museum visits. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 210		
SCULPTURE, BEGINNING II	3.0	
The course will focus on the figure (working from life) with auxiliary experiences in mold-making and casting. The materials will be clay (plasticine), plaster and armatures. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 221		
SCULPTURE: CLAY, INTRODUCTION A	3.0	
The use of clay to create sculptural forms; emphasis on developing skills and strengthening understanding of sculpture as an art form. Finished works may be composed of fired clay or unfired clay or clay in combination with other materials. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 231		
SCULPTURE: CLAY, INTRODUCTION B	3.0	
Continuation of ARSC 221. Meets the General Education Requirement - Electives, Creative Expression.		
<i>Prerequisite: ARSC 221. Special fee.</i>		
ARSC 300		
SCULPTURE, INTERMEDIATE	3.0	
Continuation of ARSC 200 and 210.		
<i>Prerequisite: ARSC 200 and 210. Special fee.</i>		
ARSC 321		
SCULPTURE: CLAY INTERMEDIATE	3.0	
Continuation of ARSC 231.		
<i>Prerequisite: ARSC 231. Special fee.</i>		
ARSC 400		
SCULPTURE, ADVANCED	3.0	
Continuation of ARSC 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARSC 300. Special fee.</i>		
ARSC 421		
SCULPTURE: CLAY, ADVANCED	3.0	
Continuation of ARSC 321. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARSC 321. Special fee.</i>		

ARSC 450
INDEPENDENT STUDY: SCULPTURE 3.0
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisites: Departmental approval.

ARST 400
MAJOR STUDIO PROJECT I (B.F.A.) 3.0
With faculty advisement, each senior student will design and develop a studio project in a chosen area of specialization. The body of the work will be completed in Major Studio Project II.
Prerequisite: Departmental approval. Special fee.

ARST 410
MAJOR STUDIO PROJECT II (B.F.A.) 10.0
With faculty advisement, each senior student will complete and present a body of work in an area of extended specialization, the same area of specialization already established and explored in Major Studio I.
Prerequisite: ARST 400. Special fee.

ARTH 280
INTRODUCTION TO ART THERAPY 3.0
An historical and theoretical overview including the literature and current trends in the field. Students will use a variety of art materials to express personal symbolism, fantasy, and dreams. Open to non-majors. Meets the General Education Requirement - Electives, Personal/Professional Issues.
Prerequisite: Special fee.

FRENCH, GERMAN, AND RUSSIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Lois Oppenheim

The French program provides courses that develop linguistic skills, literary appreciation, and an understanding of the French people and their culture.

French majors may choose the translation-interpretation concentration to enhance their linguistic skills or to enter careers related to international organizations. They may also take related business courses.

They may specialize in French Civilization, a liberal arts concentration, which is a sound foundation for graduate studies. Students may also specialize in teacher education and prepare for careers as secondary school teachers. Students may also select a minor or a second teaching field in French.

The Russian program offers a liberal arts minor and a second teaching field, as well as required courses for the Russian Area Studies minor. Interested students may contact Dr. Caroline Scielzo for more information. Courses in German are also offered.

Study Abroad

It is highly recommended that majors spend a year, a semester, or a summer studying in a French speaking country. This study should preferably be planned for the junior year. After successful completion of a study abroad, credits will be granted by evaluation. Students may earn up to 30 semester hours for a full year of study.

French Major

Concentration Programs Within the Major

Translation

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 452 Translation III	3
OR	
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3

Electives (Major)

Select 12 semester hours from the following list of electives, of which 3 s.h. must be in literature

FREN 202 Seventeenth Century French Theater*	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 271 Explication de Texte*	3
FREN 275 Advanced Spoken Language Practice	3
FREN 280 French Film	3
FREN 289 Francophone Film	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3

FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 349 Francophone Literature*	3
FREN 352 Twentieth Century French Literature*	3
FREN 360 French Perspectives	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-6
FREN 410 Advanced French Grammar	3
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Total Semester Hours 42

French Civilization

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 280 French Film	3
OR	
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 352 20th Century French Literature	3
OR	
FREN 349 Francophone Literature	3
FREN 350 Translation I	3
FREN 360 French Perspectives	3

Electives (Major)

Select 9 semester hours from the following list of electives, of which 3 semester hours must be in literature

FREN 202 Seventeenth Century French Theater*	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 271 Explication de Texte*	3
FREN 275 Advanced Spoken Language Practice	3
FREN 289 Francophone Film	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 351 Translation II	3
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-6
FREN 410 Advanced French Grammar	3
FREN 452 Translation III	3
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Total Semester Hours 42

French Major

Teacher Education

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 270 Advanced Composition	3
FREN 271 Explication de Texte	3
FREN 352 20th Century French Literature (Prerequisite: FREN 271)	3
FREN 360 French Perspectives	3
FREN 410 Advanced French Grammar	3
Select Two	
FREN 334 17th Century French Literature	3
FREN 336 18th Century French Literature	3
FREN 339 19th Century French Literature	3

Electives (Major)

Select at least 9 semester hours from the following list:	9
FREN 202 Seventeenth Century French Theater*	3
FREN 206 Spoken Language Practice	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 275 Advanced Spoken Language Practice	3
FREN 280 French Film	3
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 349 Francophone Literature*	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-6
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Minimum Semester Hours 39

French Minor

Required Courses (Liberal Arts Emphasis)

FREN 121 Intermediate French I	3
FREN 132 Intermediate French II	3
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3

Electives (Departmental)

6 additional semester hours in French literature and language courses chosen from the following list provided by the Department of French, German, and Russian and in consultation with the faculty advisors from the department.

FREN 202 Seventeenth Century French Theater	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 211 Eighteenth Century French Theater	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 270 Advanced Composition	3

FREN 271 Explication de Texte	3
FREN 275 Advanced Spoken Language Practice	3
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism	3
FREN 330 Survey of Medieval Literature	3
FREN 334 Seventeenth Century French Literature	3
FREN 335 French Renaissance	3
FREN 336 Eighteenth Century French Literature	3
FREN 339 Nineteenth Century French Literature	3
FREN 340 Survey of French Poetry	3
FREN 341 Contemporary French Drama	3
FREN 345 Development of the French Novel to 1900	3
FREN 349 Francophone Literature	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 352 Twentieth Century French Literature	3
FREN 360 French Perspectives	3
FREN 365 Introduction to Consecutive and Simultaneous Interpreting	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 410 Advanced French Grammar	3
FREN 419 The Teaching of French in Secondary Schools	3
FREN 452 Translation III	3
FREN 470 Seminars	3

Minimum Semester Hours 18

Required Courses (Business Emphasis)

	Semester Hours
FREN 121 Intermediate French I	3 each
FREN 132 Intermediate French II	3 each
FREN 203 French Stylistics and Composition I	3 each
FREN 204 French Stylistics and Composition II	3 each
FREN 231 Business French and Computers I	3
6 additional semester hours in French literature and language courses chosen from the above list of Departmental Electives for the French Minor and in consultation with the faculty advisors from the department.	
Minimum Semester Hours	21

Note: Students who place out of FREN 121, 132, 203, or 204 by either the placement exam or a challenge exam may substitute other courses from the list provided by the department to take the place of these courses.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, French majors must have a "B" average in French, take the Teacher Education courses under the French Major Requirements, and FREN 419 The Teaching of French in Secondary Schools.

Second Teaching Field in French

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required Courses

FREN 203, 204 French Stylistics and Composition I, II	3 each
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 271 Explication de Texte	3
FREN 410 Advanced French Grammar	3

Electives

From the appropriate list, select 9 semester hours of which 3 s.h. must be in literature and 3 s.h. in civilization

NOTE: If a student has not taken a teaching methods course in a foreign language, it is necessary to take FREN 419 The Teaching of French in Secondary Schools.

Russian Minor

Required Courses

RUSS 101, 112	Beginning Russian I, II	6
RUSS 121, 132	Intermediate Russian I, II	6
RUSS 141, 152	Advanced Russian I, II	6
Under certain circumstances and with departmental approval, the following may be substituted for one or more of the required courses listed:		
GRIN 293	Russian Culture and Civilization	3
GRIN 294	Russian Prose and Drama	3
GRIN 297	Women in Russian Literature	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
LNGN 245	Language and Culture	3
LNGN 370	Comparative and Historical Linguistics	3
RUSS 478	Independent Study in Russian	3

Russian Area Studies Minor

Required Courses

Select 6 semester hours from the following:

RUSS 101, 112	Beginning Russian I, II	6
RUSS 121, 132	Intermediate Russian I, II	6
RUSS 141, 152	Advanced Russian I, II	6

Electives (Interdepartmental)

Select 6 semester hours from the following:

ECON 403	Comparative Economic Systems	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
PHIL 235	Marx and Marxism	3
POLS 407	Government and Politics of USSR	3
POLS 412	Government and Politics of the East European States	3
HIST 522	Revolutionary Russia, 1905-1921 (graduate course)*	3
HIST 523	History of Soviet Diplomacy (graduate course)*	3

*University regulations must be met for an undergraduate to register for graduate-level courses.

Electives (Departmental)

Select 6 semester hours from any courses listed above or

from the following:	6
GRIN 293 Russian Culture and Civilization	3
GRIN 294 Russian Prose and Drama	3
GRIN 297 Women in Russian Literature	3
RUSS 478 Independent Study in Russian	3

Second Teaching Field in Russian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required courses

RUSS 101, 112	Beginning Russian I, II	6
RUSS 121, 132	Intermediate Russian I, II	6
RUSS 141, 152	Advanced Russian I, II	6

Electives

With advisement from the department, select at least 12 semester hours from the appropriate lists to be obtained from the department.

Courses of Instruction

FREN 101

BEGINNING FRENCH I

3.0

For students starting French in college, or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading and writing through classroom drill, video cassettes and laboratory work. Meets the General Education Requirement - Foreign Language.

Prerequisite: Special fee.

FREN 112

BEGINNING FRENCH II

3.0

For students having completed Beginning French I or who have been placed at this level after taking the placement test. Continuation of basic skills through classroom drill, video-cassettes and laboratory work. Meets the General Education Requirement - Foreign Language.

Prerequisite: FREN 101. Special fee.

FREN 121

INTERMEDIATE FRENCH I

3.0

Developing of listening, reading and speaking ability through study of representative works and characteristic aspects of French life and culture. Laboratory work available. Meets the General Education Requirement - Foreign Language.

Prerequisite: FREN 112. Special fee.

FREN 132

INTERMEDIATE FRENCH II

3.0

Developing of listening, reading, and speaking ability through study of representative works and characteristic aspects of French life and culture. Laboratory work available. Meets the General Education Requirement - Foreign Language.

Prerequisite: FREN 121. Special fee.

FREN 203

FRENCH STYLISTICS AND COMPOSITION I

3.0

Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.

Prerequisite: FREN 132.

FREN 204

FRENCH STYLISTICS AND COMPOSITION II

3.0

Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.

Prerequisite: FREN 203.

FREN 205

FRENCH PHONETICS

3.0

Weekly transcriptions, problems of articulation, rhythm, accentuation and intonation; intensive language laboratory work. Taught in French.

Prerequisite: Special fee.

FREN 206

SPOKEN LANGUAGE PRACTICE

3.0

Intensive conversation with organized discussions on subjects of special interest. Taught in French.

FREN 231

BUSINESS FRENCH AND COMPUTERS I

3.0

The first half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary, and computer lexicon required in today's business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.

Prerequisite: FREN 204. Special fee.

FREN 232

BUSINESS FRENCH AND COMPUTERS II

3.0

The second half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary and computer lexicon required in today's business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.

Prerequisite: FREN 231. Special fee.

FREN 270			
ADVANCED COMPOSITION	3.0		
A review of advanced grammar through intensive written and oral practice. Taught in French.			
FREN 271			
EXPLICATION DE TEXTE	3.0		
Improvement of reading skills and literary perception through the technique of the explication de texte, using examples from a wide variety of periods and genres. Taught in French.			
<i>Prerequisite: FREN 204.</i>			
FREN 275			
ADVANCED SPOKEN LANGUAGE PRACTICE	3.0		
Intensive conversation on an advanced level on selected and varied topics. Taught in French.			
FREN 280			
FRENCH FILM	3.0		
Development of film art with special emphasis on the contemporary period.			
FREN 289			
FRANCOPHONE FILM	3.0		
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English; coursework in French. Cross listed with French, German, and Russian, FRIN 289, and Classics and General Humanities, GNHU 289. Meets the Multicultural Awareness Requirement. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.			
<i>Prerequisite: FREN 204.</i>			
FREN 302			
ORIGINS OF FRENCH CIVILIZATION	3.0		
French history and cultural development from the Middle Ages to the Revolution. Taught in French.			
FREN 304			
FRENCH CIVILIZATION 19TH AND 20TH CENTURIES	3.0		
Various aspects of the material, intellectual, artistic, and spiritual life of France. Taught in French.			
FREN 305			
MUSIC AND ART IN FRENCH CIVILIZATION	3.0		
Composers from the Middle Ages (Perotin) to modern times (Boulez); their social and cultural backgrounds. Taught in French.			
FREN 334			
SEVENTEENTH CENTURY FRENCH LITERATURE	3.0		
The most representative authors of the century. Taught in French.			
FREN 336			
EIGHTEENTH CENTURY FRENCH LITERATURE	3.0		
Main writings of the Age of Enlightenment. Taught in French.			
FREN 339			
NINETEENTH CENTURY FRENCH LITERATURE	3.0		
Principal literary currents from Romanticism to symbolism. Taught in French.			
FREN 340			
SURVEY OF FRENCH POETRY	3.0		
Development of principal poetic movements with emphasis on the 19th and 20th centuries. Taught in French.			
FREN 341			
CONTEMPORARY FRENCH DRAMA	3.0		
Theatre from the beginning of the century to the present. Taught in French.			
FREN 345			
DEVELOPMENT OF FRENCH NOVEL TO 1900	3.0		
Evolution of fiction from the feminist writings of Mme. De La Fayette and Diderot. Literature of social involvement to the present. Taught in French.			
FREN 349			
FRANCOPHONE LITERATURE	3.0		
Literature of French Expression outside continental France. Taught in French.			
FREN 350			
TRANSLATION I	3.0		
Techniques of translation English-French, French-English. Vocabulary, comparative sentence structure, analysis and expression of ideas and images.			
<i>Prerequisite: Special fee.</i>			
FREN 351			
TRANSLATION II	3.0		
Techniques of translation English-French, French-English. Vocabulary, comparative sentence structure, analysis and expression of ideas and images.			
<i>Prerequisite: FREN 350. Special fee.</i>			
FREN 352			
TWENTIETH CENTURY FRENCH LITERATURE	3.0		
Representative works of contemporary theater and the novel. Taught in French.			
FREN 360			
FRENCH PERSPECTIVES	3.0		
The history of ideas in France since World War II. Emphasizes the interrelationship of political, social and philosophical thinking. Taught in French.			
FREN 365			
INTRODUCTION TO CONSECUTIVE AND SIMULTANEOUS INTERPRETING	3.0		
The field of cross-cultural communications (with emphasis on the French-speaking world) and practice in the techniques of simultaneous and consecutive interpreting, French-English, English-French. Taught in French.			
<i>Prerequisites: FREN 351. Special fee.</i>			
FREN 367			
SEMINARS	3.0-12.0		
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.			
<i>Prerequisite: Departmental approval.</i>			
FREN 368			
SEMINARS	3.0-12.0		
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.			
<i>Prerequisite: Departmental approval.</i>			
FREN 369			
SEMINARS	3.0-12.0		
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.			
<i>Prerequisite: Departmental approval.</i>			
FREN 375			
FRENCH STUDY ABROAD	3.0-6.0		
Study at a university in a French-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.			
<i>Prerequisite: Department approval.</i>			
FREN 380			
COOPERATIVE EDUCATION FOR THE FRENCH MAJOR	4.0-8.0		
Supervised work experience and academic project in professional field related to major.			
<i>Prerequisite: Departmental approval.</i>			
FREN 410			
ADVANCED FRENCH GRAMMAR	3.0		
A review of the most important structural features of French, with special emphasis on areas of interference with English structure. Taught in French.			
FREN 419			
THE TEACHING OF FRENCH IN SECONDARY SCHOOLS	3.0		
Lesson planning; evaluation of techniques; demonstration of teaching procedures and technologies; exploration of the communicative approach. Taught in French.			
<i>Prerequisite: Departmental approval.</i>			
FREN 452			
TRANSLATION III	3.0		
Translation of articles in specific fields of interest to improve translation skills.			
<i>Prerequisites: FREN 351. Special fee.</i>			

- FREN 470**
SEMINARS 3.0-12.0
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.
Prerequisite: Departmental approval.
- FREN 472**
FRENCH LANGUAGE WORKSHOP 3.0
A thorough foundation in French at the level required for successful graduate studies. Taught in French.
- FREN 478**
INDEPENDENT STUDY 1.0-3.0
Directed independent study and research in French language and literature.
Prerequisite: Departmental approval.
- FRIN 286**
FRENCH FILM 3.0
Development of film art with special emphasis on contemporary period. Taught in English. Cross listed with Classics and General Humanities, GNHU 286.
- FRIN 289**
FRANCOPHONE FILM 3.0
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with Classics and General Humanities, GNHU 289. Meets the Multicultural Awareness Requirement. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
Prerequisite: FREN 204.
- GERM 101**
BEGINNING GERMAN I 3.0
For students without previous instruction in German. Emphasis on speaking, with practice in reading and writing German. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.
- GERM 112**
BEGINNING GERMAN II 3.0
Emphasis on speaking, with practice in reading and writing German. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite: GERM 101. Special fee.
- GERM 121**
INTERMEDIATE GERMAN I 3.0
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite: GERM 112. Special fee.
- GERM 132**
INTERMEDIATE GERMAN II 3.0
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite: GERM 121. Special fee.
- GERM 151**
ADVANCED GERMAN I 3.0
Continuation of Intermediate German on a more advanced level. Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the General Education Requirement - Foreign Language.
Prerequisite: GERM 132 or 134.
- GERM 152**
ADVANCED GERMAN II 3.0
Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the General Education Requirement - Foreign Language.
Prerequisite: GERM 151.
- GERM 375**
GERMAN STUDY ABROAD 1.0-6.0
Study at a university in a German-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.
Prerequisite: Departmental approval.
- GRIN 293**
RUSSIAN CULTURE AND CIVILIZATION 3.0
The history of Russian culture from the early stages of Slavic civilization to the modern Soviet period. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. Cross listed with Classics and General Humanities, GNHU 293. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- GRIN 294**
RUSSIAN PROSE AND DRAMA 3.0
Russian prose and drama from the 18th century to the present day. Representative works of Pushkin, Gogol, Turgenev, Dostoevski, Tolstoi and Gorki. No knowledge of Russian is required. Taught in English. Cross listed with Classics and General Humanities, GNHU 294.
- GRIN 295**
GERMAN EXPRESSIONISM 3.0
Various aspects of German expressionism, encompassing roughly the period between the two world wars; the political and social climate of the Weimar Republic; literature, painting, sculpture, music and the film of that era; defining expressionism as a specific historical period as well as a perennial stylistic device. Taught in English. Cross listed with Classics and General Humanities, GNHU 295.
- GRIN 297**
WOMEN IN RUSSIAN LITERATURE 3.0
This course will examine the roles, status, identity and problems of female characters in representative works of Russian literature from the medieval period to the present. It will trace the development of mythic images about "Mother Russia," study the cultural messages of classic nineteenth century Russian heroines and explore adaptations in the traditional appreciation of Russian women in the early Soviet period as well as contemporary works. Meets the Multicultural Awareness Requirement.
- RUSS 101, 112**
BEGINNING RUSSIAN I, II 3.0 each
The fundamentals of grammar and pronunciation. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite for RUSS 101: Special fee.
Prerequisite for RUSS 112: RUSS 101 or equivalent. Special fee
- RUSS 121, 132**
INTERMEDIATE RUSSIAN I, II 3.0 each
Continuation of Russian 101 and 112. Open to students who have acquired an elementary knowledge of Russian elsewhere. Detailed review of Russian grammar and pronunciation, more advanced conversation. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite for RUSS 121: RUSS 112. Special fee.
Prerequisite for RUSS 132: RUSS 121. Special fee.
- RUSS 141, 152**
ADVANCED RUSSIAN I, II 3.0 each
Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets the General Education Requirement - Foreign Language.
Prerequisite for RUSS 141: RUSS 132. Special fee.
Prerequisite for RUSS 152: RUSS 141. Special fee.
- RUSS 478**
INDEPENDENT STUDY IN RUSSIAN 1.0-3.0
Directed individual study and research in Russian for special students.
Prerequisite: Departmental approval.

General Humanities Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Coordinator: Victoria Tietze Larson

The major in General Humanities critically examines the culture, ideas, and values of earlier cultures, Western and non-Western, both in their original time periods and as they have been appropriated and transformed by later ages. In particular, the program seeks to develop a critical awareness of how the classical past has been utilized as a symbol or an ideal by modern cultures, including American, and how Western culture has developed its own particular views about itself as being distinctly different from non-Western cultures.

The major is especially recommended for students who have a broad interest in the liberal arts either for their own sake or as preparation for business and the professions. The General Humanities program, coordinated by the Department of Classics and General Humanities, is unique both in respect to the breadth of disciplines (history, literature, philosophy, religious studies, art history, music history) in which students are required to take courses and in respect to the senior seminar, in which students write a senior thesis addressing the contemporary role of the humanities from an interdisciplinary perspective.

General Humanities Major

Required Core Courses

	Semester Hours
GNHU 201 General Humanities I (to 1400)	3
GNHU 202 General Humanities II (from 1400)	3
GNHU 499 Senior Humanities Seminar (to accompany writing of senior thesis)	4

Electives (Major)

Students will take a total of 24 semester hours in selected courses in the five areas listed below. A detailed list of major electives follows the *Courses of Instruction*.

a. History: One course from two of the following groups:	
(1) Earlier Western	
(2) Later Western	
(3) Non-Western	
	total 6
b. Philosophy and Religious Studies: One course from each group:	
(1) Philosophy	
(2) Religious Studies	
	total 6
c. Literature: One course from each group:	
(1) Comparative Literature	
(2) National Literature	
	total 6
d. Art History: One course	3
e. Music History: One course	3
Grand total:	34

Courses of Instruction

GNHU 201	
GENERAL HUMANITIES I (TO 1400)	3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets the General Education Requirement - Humanities, General Humanities.	
GNHU 202	
GENERAL HUMANITIES II (FROM 1400)	3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets the General Education Requirement - Humanities, General Humanities.	

GNHU 499

SENIOR HUMANITIES SEMINAR

4.0

A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem arising from the concentration.

Prerequisite: Senior standing as a General Humanities major.

Detailed list of Major Elective Courses

HISTORY

Earlier Western:

HIST 281	Greek Civilization	3
HIST 282	Roman Civilization	3
HIST 322	Medieval European Civilization 450-1350	3
HIST 419	Age of Renaissance 1350-1517	3
GNHU 281	Greek Civilization	3
GNHU 282	Roman Civilization	3

Later Western:

HIST 204	The Second World War	3
HIST 212	Social History of the United States	3
HIST 213	Economic History of the United States	3
HIST 214	Diplomatic History of the United States	3
HIST 215	Women in American History	3
HIST 217	History of Black Americans	3
HIST 218	Political History of the United States	3
HIST 219	Sport in History	3
HIST 221	Europe's Conquest of the Americas, 1415-1763	3
HIST 222	Economic History of Europe	3
HIST 225	The Poles, Czechs, Slovaks and Hungarians Since 1815	3
HIST 309	Feminist Ideas in Western Thought	3
HIST 310	Immigrant in American History	3
HIST 311	Early History of New Jersey 1702-1789	3
HIST 312	Historical Geography of the United States	3
HIST 313	Biography in American History	3
HIST 320	American Urban History Since 1880	3
HIST 321	History of the American Worker since 1877	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
HIST 327	History of France since 1789	3
HIST 328	Conflict in Modern Ireland	3
HIST 329	History of England to 1714	3
HIST 331	History of England 1714-1914	3
HIST 406	History of American Business	3
HIST 411	Intellectual History of the United States	3
HIST 420	The Reformation Era 1500-1650	3
HIST 422	Studies in Enlightenment History	3
HIST 424	Diplomatic History of Europe	3
HIST 426	The Nazi Third Reich	3
HIST 433	American Colonial History 1607-1763	3
HIST 434	American Revolution and Early Republic 1763-1828	3
HIST 435	The Union in Crisis 1820-1877	3
HIST 436	America in the Gilded Age	3
HIST 437	American Society in the 20th Century	3
HIST 438	America in the Sixties: The Crisis of Consensus Liberalism ..	3

Non-Western:

HIST 108	Introduction to African Civilization	3
HIST 109	Introduction to Islamic Civilization	3
HIST 114	Early Latin American Civilization	3
HIST 115	History of Puerto Rico	3
HIST 116	Modern Latin-American Civilization	3
HIST 128	Pre-modern Japan: A History of Japan to the Meiji Restoration	3
HIST 129	Modern Japan: A History of Japan from the Meiji through the Showa	3
HIST 131	Introduction to Indian Civilization	3
HIST 132	Introduction to Chinese Civilization	3
HIST 133	Modern Chinese Civilization	3
HIST 223	Communist Revolution in China	3
HIST 416	Church and State in Latin America	3

PHILOSOPHY AND RELIGIOUS STUDIES:

Philosophy:

PHIL 212	Social and Political Philosophy	3
PHIL 231	American Philosophy	3
PHIL 233	Contemporary Philosophers	3
PHIL 237	Asian Philosophy	3
PHIL 239	Existentialism	3
PHIL 260	Philosophies of Art	3
PHIL 262	Philosophy of Religion	3
PHIL 266	Philosophy of Science	3
PHIL 290	Fields of Philosophy: Selected Topics	3
PHIL 291	Fields of Philosophy: Selected Topics	3
PHIL 292	Fields of Philosophy: Selected Topics	3
PHIL 295	Periods and Movements: Selected Topics	3
PHIL 297	Periods and Movements: Selected Topics	3
PHIL 310	Knowledge, Belief and Truth	3
PHIL 312	Existence and Reality	3
PHIL 314	Philosophy of Language	3
PHIL 316	Philosophy of Law	3
PHIL 331	History of Philosophy: Ancient Philosophy	3
PHIL 333	History of Philosophy: Modern Philosophy	3
PHIL 335	Nineteenth Century Philosophy	3
PHIL 390	Fields of Philosophy: Selected Topics	3
PHIL 392	Fields of Philosophy: Selected Topics	3
PHIL 395	Periods and Movements: Selected Topics	3
PHIL 397	Periods and Movements: Selected Topics	3
PHIL 424	Seminar in Philosophy	3
PHIL 426	Seminar in Philosophy	3
PHIL 427	Seminar in Philosophy	3
PHIL 429	Seminar in Philosophy	3

Religious Studies:

RELG 107	Death and Dying: Religious Perspectives	3
RELG 200	Old Testament: Genesis to Joshua	3
RELG 202	Old Testament: Joshua to Daniel	3
RELG 204	New Testament: Jesus and the Gospels	3
RELG 206	New Testament: Paul and the Early Church	3
RELG 210	Native American Religions	3
RELG 212	Asian Religions	3
RELG 216	Islamic Religious Traditions	3
RELG 224	Religion and Culture	3
RELG 223	Religion in North America	3
RELG 225	Religion and Social Change	3
RELG 256	Religion in Latin America	3
RELG 258	Christian History and Thought	3
RELG 262	Philosophy of Religion	3
RELG 267	Women in Religion	3
RELG 273	The Holocaust: Religious Perspectives	3
RELG 300	Classics of Western Religious Thought	3
RELG 355	Selected Study in Religion and Culture	3
RELG 357	Selected Study in Religious Issues	3
RELG 460	Seminar in World Religions	3
RELG 462	Seminar in Religious Text	3
RELG 465	Seminar in Religion and Culture	3
RELG 467	Seminar in Religious Issues	3

LITERATURE:

Comparative Literature:

ENLT 366	African Myth and Literature	3
ENLT 372	Women Prose Writers	3
ENLT 373	Literary Modernism	3
ENLT 374	Contemporary European Drama	3
ENLT 375	Modern Drama: Ibsen to O'Neill	3
ENLT 376	Modern European Novel	3
ENLT 377	Speculative Fiction: Fantasy	3
ENLT 464	Modern Poetry to T.S. Eliot	3
ENLT 492	Seminar in Comparative Literature	3

National Literature:

ENGL 226	Literature of the American Renaissance	3
ENGL 234	American Drama	3
ENGL 238	Black Writers in the United States: A Survey	3
ENGL 240	English Literature I: Beginnings to 1660	3
ENGL 241	English Literature II: 1660 to Present	3
ENGL 247	The Augustan Age	3
ENGL 250	Special Topics in English or American Literature	3
ENGL 254	English Drama: Beginnings to 1642	3

ENGL 256	English Novel to 1900	3
ENGL 294	Women Poets	3
ENGL 324	American Poetry to 1940	3
ENGL 325	American Poetry: World War II to Present	3
ENGL 326	Early American Literature	3
ENGL 336	American Literary Realism	3
ENGL 337	Modern American Fiction	3
ENGL 338	Contemporary American Fiction	3
ENGL 343	Milton	3
ENGL 344	Chaucer	3
ENGL 345	Middle English Literature	3
ENGL 346	19th Century English Romantic Literature	3
ENGL 347	Victorian Prose and Poetry	3
ENGL 348	Renaissance Literature	3
ENGL 353	Shakespeare: Comedies-Histories	3
ENGL 354	Shakespeare: Tragedies-Romances	3
ENGL 364	Contemporary Poetry	3
ENGL 401	Old English Language and Literature	3
ENGL 444	17th Century English Poetry	3
ENGL 446	Irish Renaissance Period Literature	3
ENGL 455	Restoration and 18th Century Drama	3
ENGL 456	20th Century English Novel	3
ENGL 493	Seminar in American Literature	3
ENGL 494	Seminar in English Literature	3

ART HISTORY:

ARHS 215	Ancient Art	3
ARHS 216	Renaissance Art in Italy: The Fifteenth Century	3
ARHS 220	Art in Non-Western Societies	3
ARHS 275	Afro-American Art	3
ARHS 322	Early Christian-Byzantine Art	3
ARHS 323	Medieval Art	3
ARHS 324	Northern Renaissance Painting	3
ARHS 325	Seventeenth and Eighteenth Century Art	3
ARHS 327	History of Oriental Art	3
ARHS 328	Survey of Greek Art	3
ARHS 329	American Art	3
ARHS 332	Ancient Art of Europe	3
ARHS 450	Modern Architecture	3
ARHS 451	Contemporary Art	3
ARHS 452	Renaissance Art in Italy: The Sixteenth Century	3
ARHS 455	Selected Problems in Art History	3
ARHS 457	Pre-Colombian, Oceanic and African Art	3
ARHS 458	African Art: Sub-Saharan	3
ARHS 459	Art of the Nineteenth Century	3
ARHS 461	Nineteenth Century American Painting	3
ARHS 469	Art of the Twentieth Century	3
ARHS 485	Ancient Art in Italy: Etruscan and Roman Art	3

MUSIC HISTORY:

MUGN 100	Introduction to Music	3
MUGN 150	Influence of Afro-American Culture on Music	3
MUGN 209	Introduction to Jazz	3

HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: *Domenica Desiderioscioli*

The Department of Health Professions, Physical Education, Recreation, and Leisure Studies (HPPERLS) provides preparation in the education theory, technology, research, policy and practice of health, health education, allied health, fitness, physical education, sport, recreation, tourism, and hospitality leadership, management and marketing. Students are educated for careers in the health care industry, in public and corporate education, and in the sports, recreation, hospitality, and tourism industries. Students are also well prepared for graduate-level education. All programs provide a combination of broad studies in the liberal arts with in-depth education in a professional field. All programs emphasize clinical and field experience. The curricula provides students with structure in a discipline as well as flexibility to elect courses in areas other than the academic major.

The department is organized into three (3) academic units: Health Professions, Physical Education and Recreation and Leisure Studies.

HPPERLS offers many opportunities for both students majoring in these diverse areas of study as well as students generally interested in our unique professions. Although the career goals of majors are varied, there are certain common threads. Students tend to be people-oriented, concerned with lifelong activity, and interested in general fitness, wellness and business concepts. These characteristics apply to students preparing for traditional careers as teachers, clinicians, administrators and managers.

Health Professions majors are prepared through classroom instruction and field experience for careers in educational and administrative positions in hospitals, long term care facilities, clinics, and many other types of organizations involved in health care. Health Education majors prepare to teach and/or conduct research in traditional school settings. Community Health Education majors also prepare to develop and implement health-related programs in public or voluntary health agencies.

Physical Education majors are prepared for careers in teaching, and entrepreneurial positions in the fitness field. Specializations in athletic training coaching, and adapted physical education have been developed to provide students with strong backgrounds in these specialized areas. The Adult Fitness concentration prepares students for a corporate, clinical (cardiac rehabilitation), commercial or community setting. The Association for Worksite Health Promotion recognized the Adult Fitness Program with an outstanding Professional Preparation Award.

Recreation Professions majors prepare for careers in commercial recreation, tourism, hospitality and therapeutic recreation. These areas of study are designed to prepare the students for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory positions and for management and marketing oriented careers. This is the only NRPA certified program in New Jersey.

Successful completion of each degree program results in the granting of the Bachelor of Science degree.

Health Education Major

Required Courses

	Semester Hours
HLTH 207 Safety, Accidents, and Emergency Care	3
HLTH 210 Consumer Health*	3
HLTH 213 Perspectives on Drugs	3
HLTH 220 Mental Health	3
HLTH 240 Foundations of Environmental Health	3
HLTH 290 Human Sexuality	3
HLTH 307 The Study of Human Diseases	3
HLTH 315 Public Health	3
HLTH 330 Foundations Of Health Education	3
HLTH 404 Foundations of Measurement and Evaluation in Health Education	3
HLTH 411 School Health and Community Services	3

HLTH 440 Health Aspects of Aging*	3
HLTH 442 Health Promotion**	3

* Required for Teacher Education only.

** Required for Community Health Services Concentration only.

Required Collateral Courses

BIOL 240 Mammalian Anatomy and Physiology I	3
BIOL 241 Mammalian Anatomy and Physiology II	3
BIOL 254 Applied Microbiology	3
CHEM 107 College Chemistry I	2
CHEM 109 College Chemistry Laboratory I	1
CHEM 108 College Chemistry II	2
CHEM 110 College Chemistry Laboratory II	1
HENU 182 Nutrition	3

Community Health Services Concentration

HLTH 401 The Teaching of Health	4
HLTH 430 Health Counseling	3
HLTH 491 Health Education and the Computer	3
MGMT 231 Management Processes	3

Plus the following courses in sequence:

HLTH 245 Observation of Health Agencies	2
HLTH 350 Field Study in Health	6

OR

COED 401 Cooperative Education Experience I	6-8
---	-----

Teacher Certification

Health Education, grades K-12

Students pursuing teacher certification in Health Education for Kindergarten through Grade 12 must be admitted to the Teacher Education Program. They take the required major and collateral courses listed above and HLTH 401, *The Teaching of Health*. In addition, they must follow the professional sequence outlined in the Teacher Education Program in this catalog.

Allied Health Services Major

Technical Speciality in Allied Health

Twenty-four (24) credits must be completed at or recognized by an academically accredited institution prior to transfer to Montclair State.

Required Courses

	Semester Hours
HLTH 315 Public Health	3
HLTH 455 Core Concepts in the Delivery of Health Care	3
HLTH 460 Systems of Health Services Delivery	3

Collateral Courses

ACCT 200 Accounting for Non Business Majors	3
---	---

OR

ACCT 201 Fundamentals of Accounting I	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
CMPT 108 Computers and Programming	3

OR

INFO 273 Introduction to Computers in Business	3
MATH 109 Statistics	3
MGMT 231 Management Processes	3
MGMT 316 Human Resource Management	3

OR

MGMT 431 Middle and First Line Management	3
---	---

Electives (Departmental)

Select 12 semester hours from the appropriate list to be obtained from the department

Select 4 courses from the following:

HLTH 207 Safety, Accidents and Emergency Care	3
HLTH 210 Consumer Health	3
HLTH 213 Perspectives on Drugs	3
HLTH 220 Mental Health	3
HLTH 290 Human Sexuality	3
HLTH 430 Health Counseling	3
HLTH 440 Health Aspects of Aging	3
HLTH 445 Perspectives on Death	3
HLTH 491 Health Education and the Computer	3

Health Studies Minor

This eighteen semester-hour minor is designed especially for Liberal Arts students and other selected majors seeking to enhance their academic and/or professional preparation through selected study pertaining to the broad spectrum of health care delivery and related services. Following careful consultation with a departmental advisor, each candidate develops a sequence of coursework in three major areas: (1) Foundations of Health Study; (2) Basic Content in the Health Disciplines; and (3) Processes of Development, Implementation and/or Evaluation, particularly as these elements pertain to the respective major field of study.

The basic objectives of the Health Studies Minor are to: (1) enhance career opportunities related to a student's major academic and/or professional interests; (2) increase opportunities for continuing and advanced education in the health professions and/or in health-related disciplines; and (3) expand individual awareness of significant personal and community health issues, while providing for the refinement of one's decision-making capabilities in these contexts. Students seeking acceptance into the Health Studies minor must consult with a departmental advisor to determine the applicability of the Health Studies Minor to one's specific academic major and career goals. An eighteen-semester hour program of coursework must be established, including studies in each of the following categories:

- A. Foundations of Health Study 3-6 semester hours
- B. Basic Content in the Health Disciplines 9-12 semester hours
- C. Processes of Development, Implementation
and/or Evaluation 3-6 semester hours

Physical Education Major with Teacher Certification in Physical Education and Health

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

The department has specific requirements for admission to the Teacher Education Program. These include maintaining a minimum grade point average (GPA) of 2.67 in physical education major courses (PEMJ, HPEM, and HLTH) and a 2.5 GPA overall. In addition, transfer students need to complete a minimum of 6 semester hours in physical education courses at Montclair State University to be eligible to apply to the Teacher Education program.

Semester Hours

Required Theory Courses 31

HPEM	100	Orientation to the Field of Health and Physical Education	1
HLTH	150	Principles and Practices of Emergency Care	3
HLTH	213	Perspectives on Drugs	3
HLTH	220	Mental Health	3
HLTH	307	Study of Human Diseases	3
HPEM	352	Development and Philosophy of Health and Physical Education	3
HPEM	356	Management of Health, Physical Education, Athletic, and Fitness Programs	3
PEMJ	220	Physiology of Exercise	3
PEMJ	221	Kinesiology	3
PEMJ	222	Basic Motor Learning	3
PEMJ	351	Adapted Physical Education	3

Activity Courses 18

1. Select 2 of 3 Team Sport Modules (4 semester hours)			
PEMJ	135	Sports Module I: Football, Basketball, Team Handball	2
PEMJ	136	Sports Module II: Soccer, Speedball, Volleyball	2
PEMJ	137	Sports Module III: Softball, Lacrosse, and Hockey	2

2. Required Individual Sport Modules (4 semester hours)

PEMJ	138	Sports Module IV: Tennis, Badminton and Fencing	2
PEMJ	139	Sports Module V: Archery, Golf, and Track and Field	2

3. Required Skill Activities (10 semester hours):

PEMJ	117	Aquatics and Outdoor Education	2
PEMJ	131	Fitness Activities	2
PEMJ	145	Dance in the Schools	2
PEMJ	235	Movement Experiences in the Elementary School	2
PEMJ	248	Teaching Gymnastics in the Schools	2

Health and Physical Education Elective Courses 3-10

1. Certification: NATA Athletic Training (10 semester hours)

PEMJ	223	Basic Prevention and Care of Athletic Injuries	3
PEMJ	323	Advanced Prevention and Care of Athletic Injuries	3
PEMJ	379	Internship in Athletic Training	4

2. Certification: ACEP Coaching (8 semester hours)

PEMJ	226	Coaching Principles and Problems	3
PEMJ	353	Psychology of Sport	3
or			
PEMJ	227	Social Problems in Sports	3
Choose one coaching course: PEMJ 301, 303, 306, 308, or 309			

3. Certification: Aquatics Professional (7 semester hours)

PEMJ	112	Water Safety Instruction/Lifeguard Training Instruction	2
PEMJ	310	Coaching Swimming and Diving	2
PEMJ	345	Aquatic Management	3

4. Health Education Electives (3-9 semester hours)

Select a minimum of two:

HENU	182	Nutrition	3
HLTH	210	Consumer Health	3
HLTH	240	Foundations of Environmental Health	3
HLTH	411	School Health and Community Service	3

5. Individual Contract (3-10 semester hours)

A 3-10 credit hour program may be prepared in consultation with an advisor and approved by the department chairperson. This is an option for students with unique interests in the adult fitness, adapted physical education, dance or computer technology areas.

Collateral Courses:

HLTH	290	Human Sexuality	3
HPEM	355	Measurement and Evaluation in Health and Physical Education	3
BIOL	240	Mammalian Anatomy and Physiology I	3
BIOL	241	Mammalian Anatomy and Physiology II	3
CHEM	107	College Chemistry I	2
CHEM	108	College Chemistry II	2

Professional Sequence (29 semester hours)

1. Pre-admission to Teacher Education

CURR	200	Initial Field Experience	1
------	-----	--------------------------	---

2. Acceptance to the Teacher Education Program

HPEM	457	Methods of Teaching Health and Physical Education: Pedagogical and Content Knowledge	3
HEPM	458	Methods of Teaching Health and Physical Education: Application of Pedagogical Knowledge and Skills	3
READ	407	Reading: Theory and Process	3
READ	409	Teaching for Critical Thinking	3
CURR	400	Teacher, School and Society	3
CURR	410	Intermediate Field Experience in Education	1

3. Professional Semester

CURR	435	Effective Teaching/Productive Learning	3
CURR	402	Seminar in Professional Education	1
CURR	411	Supervised Student Teaching	8

Professional Sequence for Teacher Education

Please refer to the Teacher Education Program, outlined in this catalog, for specific information on the Professional Sequence.

Physical Education Major

Adult Fitness Concentration

	Semester Hours
Required Courses	23
HPEM 100 Orientation to the Field of Health and Physical Education ...	1
HLTH 150 Principles and Practices of Emergency Care	3
HPEM 352 Development and Philosophy of Health and Physical Education	3
HPEM 356 Management of Health, Physical Education, Athletic, and Fitness Programs	3
PEMJ 220 Physiology of Exercise	3
PEMJ 221 Kinesiology	3
PEMJ 222 Basic Motor Learning	3
PEMJ 246 Field Experience in Adult Fitness	1
PEMJ 351 Adapted Physical Education	3

Activity Courses Required

PEMJ 124 Badminton	1
OR	
PEMJ 130 Tennis	1
PEMJ 131 Fitness Activities	2
PEMJ 151 Yoga, Relaxation and Stress Management	1
PEMJ 231 Fitness Assessment and Exercise Prescription	2
PEMJ 232 Exercise Leadership	2
PEMJ Aquatic Course	1
PEMJ Gymnastic Requirement	2

Theory Specialization Core

PEMJ 340 Fitness and the Aging Process	3
PEMJ 375 Foundations and Practices in Cardiac Rehabilitation	3
PEMJ 376 Seminar in Fitness Programming	2
BSED 101 Contemporary Business	3
COUN 331 Group Dynamics	3
HENU 182 Nutrition	3
MKTG 340 Introduction to Marketing	3

Select One:

PEMJ 380 Internship in Physical Education	8
OR	
PEMJ 381 Cooperative Education in Physical Education	8

Collateral Courses

HLTH 101 Personal Health Issues	3
HPEM 355 Measurement and Evaluation in Health and Physical Education	3
BIOL 240 Mammalian Anatomy and Physiology I	3
BIOL 241 Mammalian Anatomy and Physiology II	3
CHEM 107 College Chemistry I	2
CHEM 108 College Chemistry II	2

Recreation Professions Program

As more leisure time becomes available, the opportunity for leadership in both the private and public areas of recreation and leisure enterprises grows. A student who enrolls in the department's program can earn a Bachelor of Science degree with a concentration in Commercial Recreation and Tourism or Therapeutic Recreation. Both of these areas of study are designed to prepare the student for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory and management levels.

Courses are also open as electives for those majoring in other fields. Here the emphasis is placed on the role of recreation and leisure in life-planning and community service, and developing cross-specialization between other disciplines.

Recreation Professions Major

Required Courses

PERL 123 Leadership Techniques in Recreation and Leisure Services ..	3
PERL 124 Introduction to Recreation, Tourism, Hospitality and Leisure Services	2
PERL 225 Program Planning in Recreation and Leisure	3
PERL 228 Recreation and Hospitality for Special Populations	3
PERL 312 Budget and Finance in Recreation and Tourism	3
PERL 322 History and Philosophy of Leisure, Play and Recreation	3
PERL 334 Research Methods in Recreation and Leisure Services	4
PERL 350 Design, Maintenance, and Utilization of Recreation, Tourism and Park Facilities	3
PERL 430 Management of Recreation and Leisure Services	4
PERL 437 Senior Seminar*	2
PERL 489 Internship**	12

*2.45 GPA needed

**Satisfactory completion of Senior Seminar

Recreation students are required to select an 18 semester hour concentration in their major, and include 6 semester hours of Psychology under General Education.

Concentrations Within the Major

Commercial Recreation and Tourism

Required Courses

	Semester Hours
PERL 311 Special Events Planning and Promotion	3
PERL 340 Introduction to Commercial Recreation and Tourism	3
PERL 342 Delivery of Commercial Recreation and Tourism Services ..	3
PERL 346 Tourism and Commercial Recreation, Planning, Development, and Analysis	3
Two Business Electives selected from approved list	6

Therapeutic Recreation

Required Courses

	Semester Hours
PERL 271 Clinical Experiences in Therapeutic Recreation	3
(Taken three times for 1 semester hour each)	
PERL 370 Introduction to Therapeutic Recreation	3
PERL 372 Recreation and Rehabilitation Services	3
PERL 377 Programming and Supervision in Therapeutic Recreation ..	3
Six semester hours by advisement	6

Note: Students in this concentration are required to take Mammalian Anatomy and Physiology I and II as part of their curriculum.

Courses of Instruction

Health Professions

- HLTH 101**
PERSONAL HEALTH ISSUES 3.0
 Examines health as a variable entity having physiological, psychological and environmental dimensions. Employs an individualized participatory approach that includes assessing one's own health status and behavior; increasing competencies in making health related decisions; eliciting health promoting behaviors; and interpreting existing or proposed social actions that ultimately affect personal, family and community health. Meets the General Education Requirement - Electives, Personal/Professional Issues.
- HLTH 105**
MEDICAL TERMINOLOGY 3.0
 A basic health course introducing elements of medical terminology describing body parts, systems, functions and medical procedures. Emphasis will be placed on development of medical vocabulary and communication skills. The course will provide learning episodes in formulating medical abbreviations and translating complex terminology into lay terms, that ultimately will be applicable to careers in medical writing, health care delivery and management.
- HLTH 150**
PRINCIPLES AND PRACTICES OF EMERGENCY CARE 3.0
 Provides for study of emergency care management. Provides knowledge and skills for teaching principles and practices of emergency care in a school or adult fitness setting.
- HLTH 207**
SAFETY, ACCIDENTS AND EMERGENCY CARE 3.0
 Provides for study of major safety areas including transportation, public safety, industrial and home safety. Emergency health care, first aid treatment, and preventive measures are considered in the context of individual, agency and institutional responsibilities.
- HLTH 210**
CONSUMER HEALTH 3.0
 Interpretation of individual economic activity as it relates to health service and health products. Includes analysis of factors influencing consumer health attitudes and behavior. Meets the General Education Requirement - Contemporary Issues.
- HLTH 213**
PERSPECTIVES ON DRUGS 3.0
 Provides for the study of licit as well as illicit drug use in contemporary society from the perspective of selected biomedical and psychosocial disciplines. Examines the effects of drugs on the individual and society in the context of changing social conditions and technological developments. Analyzes complex nature of the drug problem and rehabilitative and preventive measures and tentative solutions to this important aspect of human existence. Meets the General Education Requirement - Contemporary Issues.
- HLTH 220**
MENTAL HEALTH 3.0
 Provides for the study of human emotional adjustment throughout the life cycle from biomedical and psychosocial perspectives. The factors that foster the development of emotional and mental well-being and the forces that contribute to the breakdown of human adjustment capabilities are identified and analyzed in light of research and clinical literature. Special attention is given to the strategies for the prevention of mental disorders and promotion of mental health. Meets the General Education Requirement -Electives, Personal/Professional Issues.
- HLTH 240**
FOUNDATIONS OF ENVIRONMENTAL HEALTH 3.0
 Prepares student to make informed decisions concerning the avoidance or elimination of disease-causing environmental exposures by providing an understanding of the scientific principles by which these exposures are identified, measured, and judged as to their acceptability. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science.
- HLTH 245**
OBSERVATION OF HEALTH AGENCIES 2.0-3.0
 An introductory field course designed to acquaint students with a wide range of school and community health programs and professional specializations in health. Provides a series of field visits and short-term placements under professional supervision. Open to all.
- HLTH 290**
HUMAN SEXUALITY 3.0
 Provides for the study of human sexuality from the various biological, physiological, sociological, and psychological perspectives and examines individual and community attitudes concerning sexual behavior. Includes such contemporary issues as abortion, sterilization, homosexuality, artificial insemination, and gender selection. Acquaints students with criteria and processes for understanding themselves as sexual beings in the context of the social environment which provides their opportunities and constraints. Meets the General Education Requirement - Electives, Personal and Professional Issues.
- HLTH 307**
THE STUDY OF HUMAN DISEASES 3.0
 Provides a comprehensive study of diseases, their etiology, pathophysiology, diagnosis, prognosis, and treatment. Includes a review of causation theories and incidence patterns and focuses on major degenerative neo-plastic metabolic, immunologic and infectious diseases. Attention is given to prevention and control measures with an emphasis on the role of selected health/medical resources in disease management.
- HLTH 315**
PUBLIC HEALTH 3.0
 A basic course focusing on major health problems currently affecting the local, state, national and international scenes and includes consideration of political, social and economic factors. Special attention is directed to the public health organizations and agencies dealing with these health problems.
- HLTH 330**
FOUNDATIONS OF HEALTH EDUCATION 3.0
 Provides a comprehensive study of the scientific, social, behavioral, educational, and legal foundations of health education. Traces the evolution and interprets the impact of related professions on school, community and allied health education.
- HLTH 347**
HEALTH ISSUES FORUM 1.0-3.0
 In-depth study of a single health issue of current public or professional concern including analysis of recent authoritative literature. Topic to be announced each semester. Course credit determined by nature and breadth of topics selected. With permission of the department, course may be taken more than once.
Prerequisites: Junior standing.
- HLTH 350**
FIELD STUDY IN HEALTH 2.0-6.0
 Selected experiences in community health work through arrangements with various kinds of health agencies. Major projects developed under supervision of a faculty member and a qualified person in the health professions agency.
Prerequisites: HLTH 245.
- HLTH 401**
THE TEACHING OF HEALTH 4.0
 Traces historical development of health instruction, examines characteristics of health learners, and compares different types of health education programs. Provides for use of the computer in health education. Requires demonstration of health education planning, teaching and evaluation skills.
Prerequisite: Admission to Teacher Education Program.
- HLTH 404**
FOUNDATIONS OF MEASUREMENT AND EVALUATION IN HEALTH EDUCATION 3.0
 Provides for the study of the concept and the process of measurement and evaluation in health education. Specific topics related to test selection, test construction, test administration, and analysis of test results are discussed within a broad theoretical framework and reinforced with practical experiences.
Prerequisite: Admission to Teacher Education Program.
- HLTH 411**
SCHOOL HEALTH AND COMMUNITY SERVICES 3.0
 Provides for an in-depth understanding of the school health program and community services. Includes study of school and health services, healthful school environment, and health education and community health services.
- HLTH 430**
HEALTH COUNSELING 3.0
 Course focuses on factors influencing health and illness behavior with implication for behavioral intervention in health care. Included are the intervention strategies of prevention, crisis intervention, postvention and compliance, and the intervention techniques of assessment, interviewing, counseling skills and small group dynamics.

HLTH 442
HEALTH PROMOTION 3.0
 Provides an overview of efforts to reduce the prevalence of disease-promoting behaviors by establishing health programs in various settings. Criteria for prioritizing health promotion efforts are examined and applied to specific risk factor reduction efforts. The need to evaluate the cost-benefit of health promotion programs is emphasized. Administrative and ethical issues in health promotion are addressed.

HLTH 445
PERSPECTIVES ON DEATH 3.0
 Exploration of the personal and social meanings of death. Formulation of realistic plans for living, through education about death.

HLTH 455
CORE CONCEPTS IN THE DELIVERY OF HEALTH CARE 3.0
 Interdisciplinary analysis of patient care, supporting functions of health practitioners and human service principles underlying allied health professional-patient interactions.
Prerequisites: Six months of occupational experience in an allied health specialty.

HLTH 460
SYSTEMS OF HEALTH SERVICES DELIVERY 3.0
 The organization, administration and functions of health services in the United States and other major nations; the social and professional policies which determine their scope and nature. Principal methods currently employed in the U.S. for analysis and evaluation of health care systems. Offers opportunity to students to relate these general understandings to those segments of the health services system of particular professional interest to themselves.

HLTH 491
HEALTH EDUCATION AND THE COMPUTER 3.0
 Provides students with a basic understanding of and skills in computer functions related to school and community health education programs. Emphasizes the use and evaluation of software for the planning, implementation and evaluation of health education processes. Explores the use of video technologies and the potential impact of future developments in computer technology.

HPEM 100
ORIENTATION TO THE FIELD OF HEALTH AND PHYSICAL EDUCATION 1.0
 A professional orientation and an introduction to the breadth of the field of health and physical education in schools, industry and community agencies. Special emphasis is given to the program at Montclair State University.

HPEM 352
DEVELOPMENT AND PHILOSOPHY OF HEALTH AND PHYSICAL EDUCATION 3.0
 The history and development of health and physical education are traced from primitive to modern times. Influences which contributed to the modern philosophy of health and physical education are identified.
Prerequisite: Junior standing.

HPEM 355
MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION 3.0
 Tests and measurements specifically concerned with the areas of health and physical education. Tests and measurements as tools for better teaching as well as for research.
Prerequisite: Junior standing.

HPEM 356
MANAGEMENT OF HEALTH, PHYSICAL EDUCATION, ATHLETICS AND FITNESS PROGRAMS 3.0
 Comprehensive information about the management of health and physical education, athletics, and fitness programs. Current trends, practices and support services essential to the development of these programs will be examined.
Prerequisite: Junior standing.

HEPM 457
METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION: PEDAGOGICAL AND CONTENT KNOWLEDGE 3.0
 This course provides an overview of theory and research related to the methods of teaching Health and Physical Education. Topics include: content standards, program goals and objectives, curriculum models, knowledge of teaching strategies, principles of learning, sociological implications for teaching and learning, and safety and liability issues related to teaching.
Prerequisite: Admission to Teacher Education Program.

HPEM 458
METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION: APPLICATION OF PEDAGOGICAL KNOWLEDGE AND SKILLS 3.0
 This course provides students with experiences applying methods of teaching Health and Physical education. Experiences include: development of unit and lesson plans, the application of effective teaching strategies and styles of teaching, use of computers for instruction, describing and analyzing student and teacher behaviors, and application of reflective teaching techniques to improve teaching and student learning experiences.
Prerequisite: Admission to Teacher Education Program.

Physical Education Non-Major Courses

PEGN 200
BEGINNING SWIMMING 1.0
 This course is designed for beginning swimmers and those who are not comfortable in the water. The scope of the course will cover a wide variety of swimming strokes and survival techniques. Meets the General Education Requirement - Physical Education.

PEGN 230
PERSONALIZED FITNESS 3.0
 An introductory course in personalized fitness covering theories and techniques of the physiological and psychological components of fitness. Designed for second careers students.

PEGN 251
AEROBIC ACTIVITIES 1.0
 This course will provide the student with an opportunity to recognize and develop cardiovascular conditioning, endurance and lifetime fitness skills. Meets the General Education Requirement - Physical Education.

PEGN 257
WEIGHT TRAINING AND CONDITIONING 1.0
 A regimen of physical fitness (conditioning) exercises will be established for the individual student, and assistance will be rendered to help him or her in following this regimen in order to reach his or her maximum physical potential (muscle tone and endurance). Meets the General Education Requirement - Physical Education.

PEGN 258
BEGINNING TENNIS 1.0
 Fundamental skills of tennis, singles and doubles play. Appreciation of tennis as a leisure pursuit. Meets the General Education Requirement - Physical Education.

PEGN 260
BEGINNING RIDING 1.0
 Techniques for the beginner. Taught at a riding academy. Meets the General Education Requirement - Physical Education.

PEGN 262
VOLLEYBALL 1.0
 Basic skills, game strategy and rules of volleyball. Meets the General Education Requirement - Physical Education.

PEGN 265
FIGURE SKATING 1.0
 Figure skating for the novice taught at an off-campus skating rink. Meets the General Education Requirement-Physical Education

PEGN 266
SKIING 1.0
 The student is provided with information pertaining to basic techniques, safety, etiquette, and equipment relevant to his level of skiing. Instruction will be given on the slope for five weeks along with additional information to be given on campus. An additional fee is required for lift tickets and rental equipment. Meets the General Education Requirement - Physical Education.

PEGN 271
SOCIAL DANCE 1.0
 The course covers the traditional ballroom dances as well as current popular styles and routines. Meets the General Education Requirement - Physical Education.

PEGN 272
BOWLING 1.0
 Adequately prepare and develop the student with a background of the necessary skills essential to performing and understanding the art of bowling. Meets the General Education Requirement - Physical Education.

PEGN 274	
SCUBA DIVING	1.0
Scuba diving techniques and safety. Meets the General Education Requirement - Physical Education.	
PEGN 275	
BEGINNING KARATE	1.0
Skills and development of personal ability in performance of the activity. Meets the General Education Requirement - Physical Education.	
PEGN 278	
YOGA	1.0
Instruction will be given in how to perform yoga postures, plus the techniques of breathing, relaxation, awareness, and concentration, with their proper progression. The historical and psychological factors involved in the development of yoga, and its increasingly widespread appeal physically and philosophically will be dealt with. Meets the General Education Requirement - Physical Education.	
PEGN 279	
CLIMBING AND REPELLING	1.0
Based on Adventure Education principles of experiential learning. In learning to climb, students will acquire skills in: communication, problem solving, trust development, promoting self-esteem, decision making, and leadership. Meets the General Education Requirement - Physical Education.	

Physical Education Major Courses

PEMJ 102	
SOCCER	1.0
The history, development and present status of the sport. Basic skills, game strategy, rules, terminology and specifics concerning class organization, safety and evaluation will be presented.	
PEMJ 103	
BASKETBALL	1.0
The history, development and present status of the sport will be studied. The student will develop basic skills, and learn game strategy, rules and specific techniques concerning class organization, safety, and evaluation.	
PEMJ 104	
SOFTBALL	1.0
Skills, techniques, rules and concepts of team play and strategy essential to this sport and playing the game.	
PEMJ 108	
FOOTBALL	1.0
The history, development and present status of the sport basic skills and game strategy, rules and specific techniques concerning class organization, safety and evaluation.	
PEMJ 110	
AQUATICS	1.0
For those with a minimum amount of aquatic knowledge and skill. Swimming strokes, water stunts and springboard diving. Organization for teaching groups and safety precautions.	
PEMJ 112	
WATER SAFETY INSTRUCTION/LIFEGUARD TRAINING	1.0
This course follows the standards and procedures for certification by the American Red Cross (ARC) as currently revised, 1989.	
<i>Prerequisite: Must meet current American Red Cross requirements.</i>	
PEMJ 113	
MEN'S GYMNASTICS AND TUMBLING	2.0
This course is designed to introduce methods and materials in gymnastics and tumbling for the major students. Emphasis will be placed on the organization of gymnastic movements for learning according to their similarities in difficulty and execution. The role of the teacher in facilitating skill development in gymnastics and tumbling also will be emphasized.	
PEMJ 114	
WOMEN'S GYMNASTICS AND TUMBLING I	2.0
Developing skills on the apparatus; demonstrating an understanding of skills for elementary through high school. Safety measures related to equipment and spotting. Students perform progression for basic skills on all equipment.	

PEMJ 115	
LACROSSE	1.0
The history, development, and present status of the sport will be studied. The student will develop basic skills and learn game strategy, rules and specific techniques concerning class organization, safety and evaluation.	
PEMJ 122	
GOLF	1.0
To permit students to attain the minimum skill necessary for understanding the fundamentals of this sport.	
PEMJ 124	
BADMINTON	1.0
A comprehensive analysis of the techniques and skills of each sport; current trends, rules, terminology, equipment and game strategy.	
PEMJ 126	
ARCHERY	1.0
The development and present status of archery; basic skills, tournament strategy and rules.	
PEMJ 128	
FENCING	1.0
This course will introduce the physical education major to the fundamental skills, techniques, strategies, and rules of foil fencing. Included are methods for implementing a fencing program in physical education classes.	
PEMJ 130	
TENNIS	1.0
This course will introduce the physical education major to the fundamental skills, techniques, strategy, and rules of tennis and explore ways to implement tennis instruction in a school situation.	
PEMJ 131	
FITNESS ACTIVITIES	2.0
A comprehensive course to provide the student with knowledge needed for developmental programming of personalized fitness activities utilizing all modes of fitness training.	
PEMJ 136	
SPORTS MODULE II: SOCCER, SPEEDBALL, VOLLEYBALL	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of soccer, speedball and volleyball.	
PEMJ 137	
SPORTS MODULE III: SOFTBALL, LACROSSE, AND HOCKEY	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of softball, lacrosse, and hockey.	
PEMJ 138	
SPORTS MODULE IV: TENNIS, BADMINTON, AND FENCING	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of tennis, badminton, and fencing.	
PEMJ 139	
SPORTS MODULE V: ARCHERY, GOLF, AND TRACK AND FIELD	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of archery, golf, and track and field.	
PEMJ 142	
EUROPEAN FOLK DANCE	1.0
This course will acquaint the student with a variety of European folk dance.	
PEMJ 143	
SOCIAL DANCE	1.0
The fundamental of social dance are presented to the student.	
PEMJ 145	
DANCE IN THE SCHOOLS	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of folk, square, and social dance forms.	
PEMJ 151	
YOGA, RELAXATION AND STRESS REDUCTION	1.0
Provides for the development of basic skills in the performance and teaching of hatha yoga and basic neuromuscular relaxation. Each student will be able to plan and implement stress reduction programs for individuals in a one-to-one counseling situation and teach sessions in a classroom format.	

PEMJ 220		
PHYSIOLOGY OF EXERCISE	3.0	
The physiological effects of physical activity upon the human organism. The reaction of exercises of speed, strength, and endurance upon the muscular and circula-respiratory system.		
<i>Prerequisites: BIOL 240 and 241.</i>		
PEMJ 221		
KINESIOLOGY	3.0	
An overview of the integrated functioning of the skeletal, muscular and nervous systems and the biomechanical principles governing efficient movement, in order to effectively analyze the performance of motor skills.		
<i>Prerequisites: BIOL 240 and 241.</i>		
PEMJ 222		
BASIC MOTOR LEARNING	3.0	
This course provides students with knowledge of the theoretical basis of human learning and performance in motor activity.		
<i>Prerequisites: BIOL 240 and 241.</i>		
PEMJ 223		
BASIC PREVENTION AND CARE OF ATHLETIC INJURIES	3.0	
An introductory course designed to provide the student with information about those aspects of sports medicine which are necessary to the safe conduct of sports.		
PEMJ 226		
COACHING PRINCIPLES AND PROBLEMS	3.0	
This course is designed to present an overview of the principles and problems pertaining to coaching on the high school and college levels.		
PEMJ 227		
SOCIAL PROBLEMS IN SPORTS	3.0	
Designed to analyze a number of important and controversial issues of sports in American society. Meets the General Education Requirement - Contemporary Issues.		
PEMJ 231		
FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION	2.0	
This comprehensive course will allow the student in the adult fitness concentration the opportunity to practice field test assessment skills and procedures. Students will also be exposed to all aspects of equipment and instrumentation commonly found in the fitness industry.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 232		
EXERCISE LEADERSHIP	2.0	
This course provides an introduction to exercise leadership concepts covering theories and techniques of the physiological bases of strength training/conditioning and aerobic fitness activities.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 235		
MOVEMENT EXPERIENCES IN THE ELEMENTARY SCHOOL	2.0	
A comprehensive activity course designed to present theory and practical application of movement experiences and non-sport activities in physical education in the elementary school.		
PEMJ 244		
PHYSICAL EDUCATION FIELD EXPERIENCE	1.0	
This course will provide an opportunity for physical education majors interested in teacher education to examine the nature and function of physical education programs in a public school setting.		
PEMJ 246		
FIELD EXPERIENCE IN ADULT FITNESS	1.0	
This course permits physical education majors interested in adult fitness an opportunity to observe and evaluate a variety of adult fitness programs.		
PEMJ 248		
TEACHING GYMNASTICS IN THE SCHOOLS	2.0	
An understanding of the techniques of the teaching of gymnastics in physical education programs within the school setting will be provided.		
<i>Prerequisite: PEMJ 113 or 114.</i>		
PEMJ 255		
PRACTICUM IN SELECTED PHYSICAL EDUCATION PROGRAMS	2.0	
This field based course affords students in the physical education teacher education program an opportunity to apply theoretical knowledge in a practical situation in schools or agencies in the area of coaching, individualized fitness or adapted physical education.		
PEMJ 301		
COACHING FIELD HOCKEY	2.0	
Concepts and organizational procedures for coaching field hockey skills, offensive and defensive strategies and rules.		
PEMJ 303		
COACHING BASKETBALL	2.0	
The course is designed to provide students with an introduction to the art of coaching the game of basketball. Students have an opportunity to explore various contemporary styles and aspects of team play. Teaching, beginning with individual player development and progressing to team development, will be covered.		
PEMJ 304		
COACHING SOFTBALL	2.0	
Concepts and organizational procedures for coaching softball. Skills, offensive and defensive strategies and rules.		
PEMJ 306		
COACHING BASEBALL	2.0	
Individual skills and team techniques of coaching baseball; administration and organization of practice sessions for effective learning.		
PEMJ 308		
COACHING FOOTBALL	2.0	
Techniques and methods of coaching football with emphasis on team play; offensive and defensive methods for running, passing and kicking game. Complete organization of a football program is presented.		
PEMJ 309		
COACHING SOCCER	2.0	
The course is designed to provide students with an understanding of the theory and techniques of coaching soccer.		
PEMJ 323		
ADVANCED PREVENTION AND CARE OF ATHLETIC INJURIES	3.0	
This advanced level course integrates the knowledge of anatomy, physiology, biomechanics, nutrition, conditioning, and first aid. This course provides an understanding of the prevention, care, and rehabilitation of athletic injuries. Theoretical and practical aspects of the field will be presented through lecture and laboratory sessions in order to develop a broad background concerning the health care and medical management of athletic injuries. Athletic training is presented as a professional opportunity as well as an essential aspect in the education of physical educators and coaches.		
<i>Prerequisite: PEMJ 223.</i>		
PEMJ 333		
COACHING TRACK AND FIELD	2.0	
Integrating philosophy, psychology, principles and techniques of track and field activities with actual practice. For men and women with appropriate concentrations as well as a common core of activities.		
<i>Prerequisite: PEMJ 134.</i>		
PEMJ 340		
FITNESS AND THE AGING PROCESS	3.0	
The anatomic, physiologic and social changes experienced by the older adult as he/she ages. The students will learn the bases for selection of appropriate activities and techniques for communicating with this specialized population. Field experiences involving older adults in fitness settings will be included in this course.		
<i>Prerequisites: PEMJ 220.</i>		
PEMJ 345		
AQUATIC MANAGEMENT	3.0	
This course is designed to provide the student with skills and knowledge in the area of aquatic management which will enable them to develop appropriate programs at swim clubs, community pools, camps and health clubs.		
PEMJ 351		
ADAPTED PHYSICAL EDUCATION	3.0	
This is a lecture and practicum course covering the introductory techniques for conducting a physical education program to meet the needs of the developmentally disabled. Each student is required to spend a minimum of 15 hours of laboratory experience in schools, agencies, and/or institutions.		
PEMJ 353		
PSYCHOLOGY OF SPORT	3.0	
Psychology related to physical activity on emotional, attitudinal and personality aspects, motivation, cultural and sociological problems of athletes, spectator response and deportment.		

- PEMJ 357
TEACHING OF PHYSICAL EDUCATION 4.0
Methods of teaching and principles of learnings as they apply to growth, development and movement. Urban, inner city, suburban and rural situations and conditions related to learning facilities and equipment.
Prerequisites: Acceptance into Teacher Education.
- PEMJ 362
PHYSICAL ACTIVITIES FOR THE DEVELOPMENTALLY DISABLED AND MENTALLY ILL 3.0
The development of physical activities designed to meet the unique needs of the mentally retarded, emotionally disturbed and learning disabled. Etiologies, legislation, motivational procedures and programming strategies will be reviewed. Field work is required.
- PEMJ 363
PHYSICAL ACTIVITIES FOR THE SENSORY AND PHYSICALLY DISABLED 3.0
The development of awareness of the architectural barriers physical and social difficulties encountered by the sensory and physically disabled, the student will have the opportunity to develop physical activities designed to meet the unique needs of the visually, auditorily and orthopedically disabled, etiologies, legislation, motivational procedures and programming strategies will be reviewed, each student is required to complete a practicum.
- PEMJ 375
FOUNDATIONS AND PRACTICES IN CARDIOPULMONARY REHABILITATION 3.0
Knowledge and skills related to cardiopulmonary rehabilitation which is necessary for working with post-cardiac individuals in the post-hospital continuing exercise program. Students will be expected to demonstrate a high level of competence in all aspects of the course. Field work required.
Prerequisites: PEMJ 220.
- PEMJ 376
SEMINAR IN FITNESS PROGRAMMING 2.0
Specifically designed for the student in the adult fitness concentration to bring together a series of background topics into a seminar experience. The course will discuss practitioner roles, the establishment of criteria for the evaluation of fitness programs in a variety of settings, individual factors which influence participation adherence, and practical considerations which apply to fitness programming.
- PEMJ 379
INTERNSHIP IN ATHLETIC TRAINING 4.0
Designed for the student interested in becoming certified as a trainee (NATA). Through an internship program the student will be provided the opportunity to apply the background information obtained in both basic and advanced prevention and care of athletic injuries course. The proposed course will also meet the NATA requirement for field experience. This course available to students not completing the student teacher experience only.
Prerequisites: PEMJ 150 and 323.
- PEMJ 380
INTERNSHIP IN PHYSICAL EDUCATION 8.0
The internship offers the student an opportunity to work as a trainee with professionals in organizations and/or agencies.
Prerequisites: Departmental approval.
- PEMJ 381
COOPERATIVE EDUCATION IN PHYSICAL EDUCATION 4.0-8.0
Integrates academic study with supervised employment outside the formal classroom environment. The co-op term is a semester off-campus during which a student, while supervised by a department faculty coordinator is responsible for completing the terms of a predetermined learning contract. Available to students not completing the student-teacher sequence only.
Prerequisites: Departmental approval.
- PEMJ 399
INDEPENDENT STUDY IN PHYSICAL EDUCATION 1.0-6.0
Provides an opportunity to pursue independent study in one of the specialized areas of physical education.
Prerequisite: Departmental approval.
- PEMJ 424
THERAPEUTIC EXERCISE IN ATHLETIC TRAINING 3.0
An introduction to therapeutic exercise programs for rehabilitation of athletic injuries sustained to the head, axial region, and upper and lower extremities. Gender and age issues related to therapeutic exercise are presented and practical applications of injury assessment, exercise technique manipulation, and evaluation procedures are included.
Prerequisites: BIOL 240 and BIOL 241 and PEMJ 323.
- PEMJ 425
THERAPEUTIC MODALITIES IN ATHLETIC TRAINING 3.0
An introduction to therapeutic modalities used for athletic injury rehabilitation within athletic training programs. Topics include physiological effects of therapeutic modalities, theory and principles related to modality utilization, indications and contraindications associated with modality utilization. Practical applications of therapeutic modalities is included.
Prerequisites: BIOL 240 and 241 and PEMJ 323.
- PEMJ 444
SEMINAR IN PHYSICAL EDUCATION 1.0
This course permits physical education student teachers an opportunity to discuss and evaluate the experiences they have in a physical education setting while student teaching.
Prerequisite: CURR 410.
Corequisite: CURR 411.
- PEMJ 454
ADMINISTRATION OF ATHLETIC TRAINING PROGRAMS 3.0
An overview of administrative components of an athletic training program for high school, college, and professional athletic organizations. Topics include financial management, training room management, personnel supervision and health care services for athletes. Practical experiences in budget management, and a case study approach to issue resolution are included.
Prerequisites: PEMJ 424 and 425.
- PEMJ 492
SELECTED TOPICS IN PHYSICAL EDUCATION 1.0-3.0
A theoretical and practical in-depth study in a current aspect of physical education. Topics will be determined prior to course offering and publicized.
- Recreation and Leisure Studies Courses**
- PERL 123
LEADERSHIP TECHNIQUES IN RECREATION AND LEISURE SERVICES 3.0
Theory, principles, techniques, and processes of the different types of leadership styles in a variety of recreation programs and leisure services. Application of the different styles and techniques through the planning, delivery, and evaluation of appropriate activities.
- PERL 124
INTRODUCTION TO RECREATION, TOURISM, HOSPITALITY AND LEISURE SERVICES 3.0
An orientation course to the broad spectrum of services which are provided to society by recreation, tourism, hospitality and leisure services practitioners. Professional awareness and career opportunities are examined.
- PERL 208
LEISURE AND RECREATION IN SOCIETY 3.0
Analysis and interpretation of the concepts of leisure, its role in individual, community and national lifestyles, its social and economic significance. The role of recreation programs and services in meeting current and future needs of society. For non-recreation and leisure studies majors only. Meets the General Education Requirement-Contemporary Issues.
- PERL 225
PROGRAM PLANNING IN RECREATION AND LEISURE 3.0
Theory, principles and practices of systematic program planning. Field observation and participation is required.
- PERL 228
RECREATION AND HOSPITALITY FOR SPECIAL POPULATIONS 3.0
Adaptation of recreation and leisure services for persons with special needs and limitations, role of institutions and community agencies, specialized leadership techniques, modification requirements for areas, facilities equipment, and supplies.
Prerequisite: PERL 225.

- PERL 271
CLINICAL EXPERIENCES IN THERAPEUTIC RECREATION 1.0
Individualized student placements in clinical settings provide opportunity to gain firsthand knowledge of therapeutic recreation and prescriptive programming services. May be repeated for credit to a total of 3 semester hours.
- PERL 285
FIELD EXPERIENCE IN RECREATION AND PARKS 2.0-4.0
Supervised on-site laboratory experience in an approved recreation or leisure service area. Seminar meetings and individual conferences required.
Prerequisite: Department approval.
- PERL 299
SELECTED TOPICS-RECREATION AND PARK ADMINISTRATION 1.0-3.0
Professional inquiry into the study of a selected issue, problem or trend in recreation and park administration.
Prerequisite: Department approval.
- PERL 311
SPECIAL EVENTS PLANNING AND PROMOTION 3.0
This course is a course in advanced recreation and functionally related services programming. It includes the analysis, planning and execution of special events and related activities involving large numbers of people and diverse publics. Topics include event philosophy and planning, technical and legal consideration, crowd management and promotion. Field trips required.
Prerequisite: PERL 225.
- PERL 312
BUDGET AND FINANCE IN RECREATION AND TOURISM 3.0
Study of the various sources and methods of financing, including exploration of the philosophy and mechanics of the budgetary process in recreation and park systems.
Prerequisite: PERL 225.
- PERL 322
HISTORY AND PHILOSOPHY OF LEISURE, PLAY AND RECREATION 3.0
A study and analysis of the philosophical concepts concerning leisure, play and recreation, including the historical milieu that supports past theories, current thoughts and practices, and the philosophical directions for the future of recreation and leisure services.
- PERL 334
RESEARCH METHODS IN LEISURE SERVICES 4.0
An introduction to the various techniques and methods used in research, the appropriate application of research methods, statistical methodology and other analytical tools for investigating problems in recreation and park professions.
Prerequisites: PERL 124 and PERL 225.
- PERL 340
INTRODUCTION TO COMMERCIAL RECREATION AND TOURISM 3.0
Analysis of the commercial recreation and tourism industries. Includes a study of participant profiles, types of commercial and resort enterprises, national tourism studies. Employment opportunities trends and issues. Field visits required.
Prerequisite: PERL 124.
- PERL 341
INTRODUCTION TO THE HOSPITALITY INDUSTRY 3.0
The scope and nature of the industry. An orientation to career opportunities and education for the hotel and hospitality industry.
Prerequisite: PERL 124.
- PERL 342
DELIVERY OF RECREATION AND TOURISM SERVICES 3.0
Methods and procedures for organizing and implementing commercial recreation and tourism enterprises. Includes an in-depth analysis of delivery systems, economic and marketing trends and promotion. A class research project is part of the course requirements. Field visits required.
Prerequisite: PERL 340.
- PERL 343
DELIVERY OF HOTEL/RESORT RELATED SERVICES 3.0
The analysis and examination of selected business operations which are of importance to the overall success of hotels/resorts, including travel agencies, tour companies, gift shops, restaurants, and recreational facilities.
Prerequisite: PERL 341.
- PERL 346
TOURISM AND RECREATION PLANNING, DEVELOPMENT AND ANALYSIS 3.0
Skills and techniques used in the planning, development, and analysis of tourism and commercial recreation facilities. Students will be required to complete a major research project.
Prerequisites: PERL 340 or PERL 360 and PERL 334.
- PERL 349
SEASONAL SPORT RESORT MANAGEMENT 3.0
A topical course in resort and selected sports management activities. Contents include management and marketing of lodging, retailing, rental, recreational programs, and other year round resort services. Additionally, the selection and operation of seasonal commercialized sports will be included. The course is only offered off-campus at a selected field site.
- PERL 350
DESIGN, MAINTENANCE AND UTILIZATION OF RECREATION, TOURISM AND PARK FACILITIES 3.0
This course familiarizes the student with the design, planning, maintenance and utilization of recreation, tourism and park facilities. An exploration of the preservation of open space and its relationship to recreation is also included. Field trips are required.
- PERL 354
MARKETING HOTELS, RESORTS AND RELATED SERVICES 3.0
Analysis of advertising, sales promotion, personal selling, and the application of marketing research to hotels, resorts and related operations.
Prerequisites: PERL 311 and PERL 334 and PERL 341.
- PERL 355
DEVELOPMENT AND MANAGEMENT OF HOTELS/RESORTS 3.0
Comprehensive information about the development and management of and the specific skills necessary in the operation of hotels/resorts.
- PERL 370
INTRODUCTION TO THERAPEUTIC RECREATION 3.0
An introduction to therapeutic recreation as a profession and service in clinical and community settings. The course includes an analysis of current issues and trends in the field, employment opportunities, and the concept of professionalism.
- PERL 372
RECREATION AND REHABILITATION SERVICES 3.0
Study of roles and interrelationships of professional personnel in the rehabilitation services in medical, correctional, and community settings. The team approach to rehabilitation services will be emphasized. Field visits required.
Prerequisite: PERL 228.
- PERL 377
PROGRAMMING AND SUPERVISION IN THERAPEUTIC RECREATION 3.0
This course includes assessment, planning and implementation of appropriate services and department programs and evaluation strategies. The course addresses basic program and personnel supervision of therapeutic recreation.
Prerequisites: BIOL 241 and PERL 228.
- PERL 381
COOPERATIVE EDUCATION IN RECREATION AND PARKS 4.0-8.0
Integration of academic study with supervised employment outside the formal classroom environment. The cooperative education experience is supervised by a faculty member and an agency/organization supervisor.
Prerequisites: Departmental approval.
- PERL 390
INDEPENDENT STUDY IN RECREATION, PARKS AND LEISURE 1.0-3.0
Independent study in area of student need and/or interest pertinent to recreation, parks and leisure. Interested students must present detailed written proposal to the department chairperson for approval and determination of credit allocation. Sophomore, junior, senior standing.
Prerequisite: Departmental approval.
- PERL 430
MANAGEMENT OF RECREATION AND LEISURE SERVICES 4.0
Managerial techniques and methods pertaining to the delivery of recreation and leisure services. Topics include leadership and problem solving skills, organizational structure, personnel management and legal issues.
Prerequisites: PERL 225 and Recreation Professions majors only.

PERL 437

SENIOR SEMINAR

2.0

Examination and analysis of student preparation for field work and entry into the recreation and park profession. Formal application and placement of field work students.

Prerequisites: Recreation Professions majors only.

PERL 489

INTERNSHIP

12.0

Directed full-time professional supervisory experiences in an approved recreation, parks or leisure delivery system. Emphasis on individual development in program planning, conduct and evaluation, budget and finance, legal aspects, community and public relations. For Recreation and Leisure Studies majors only.

Prerequisites: Department approval.

HISTORY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Amy Gilman Srebnick

The study of history, an important part of a broad liberal education, helps to prepare students for careers in teaching, law, government service, politics, journalism and creative writing, library science, business research, and positions with local, state or national archives, museums and historical societies or restoration agencies. The department offers specialized study mainly in American, European and Asian history. History majors may adapt their programs to meet certification requirements for teaching social studies in New Jersey secondary schools. A minor in history is also offered.

History Major

Required Courses

	Semester Hours
HIST 100 The Study of History	3
HIST 117 History of the United States to 1876	3
HIST 118 History of the United States since 1876	3
European History (Select one sequence)	6
HIST 103 Foundations of Western Civilization	
HIST 105 Emergence of European Civilization, 1500-1914	
OR	
HIST 105 Emergence of European Civilization, 1500-1914	
HIST 106 Contemporary Europe, 1914 to the Present	
Non-Western/Latin American History	6
(One course from TWO of the following areas)	
Asia: China, India, Japan, Islamic	
Africa	
Latin America	
HIST 400 Senior Seminar in History	3

Electives

Select four history courses at the 200-400 level	12
HIST 204 The Second World War	3
HIST 212 Social History of the United States	3
HIST 213 Economic History of the United States	3
HIST 214 Diplomatic History of the United States	3
HIST 215 Women in American History	3
HIST 217 History of Black Americans	3
HIST 218 Political History of the United States	3
HIST 219 Sport in History	3
HIST 221 Europe's Conquest of the Americas, 1415-1763	
HIST 222 Economic History of Europe	3
HIST 223 Communist Revolution in China	3
HIST 225 The Poles, Czechs, Slovaks and Hungarians since 1815	3
HIST 281 Greek Civilization	3
HIST 282 Roman Civilization	3
HIST 309 Feminist Ideas in Western Thought	3
HIST 310 Immigrants in American History	3
HIST 312 Historical Geography of the United States	3
HIST 313 Biography in American History	3
HIST 315 War in History	3
HIST 320 American Urban History since 1880	3
HIST 321 History of the American Worker since 1877	3
HIST 322 Medieval European Civilization 450-1350	3
HIST 323 History of Russia to 1917	3
HIST 324 Russia Since 1917	3
HIST 326 Modern German History	3
HIST 327 History of France since 1789	3
HIST 328 Conflict in Modern Ireland	3
HIST 329 History of England to 1714	3
HIST 330 Chinese Social History Through Literature	3
HIST 331 History of England 1714-1914	3
HIST 333 History of Brazil	3
HIST 334 Women in the Muslim World: A History of Representations	3
HIST 406 History of American Business	3
HIST 408 Independent Study European History	3
HIST 409 Independent Study Non-Western History	3

HIST 410 Independent Study in American history	3
HIST 411 Intellectual History of the United States	3
HIST 415 European Social History	3
HIST 416 Church and State in Latin America	3
HIST 419 Age of Renaissance 1350-1517	3
HIST 426 The Nazi Third Reich	3
HIST 427 The Holocaust, 1939-1945	3
HIST 430 Revolutions in Latin American History	3
HIST 431 Development of Indian Character and Culture	3
HIST 432 Development of Japanese Character and Culture	3
HIST 433 American Colonial History 1607-1763	3
HIST 434 American Revolution and Early Republic 1763-1828	3
HIST 435 The Union in Crisis, 1820-1877	3
HIST 436 America in the Gilded Age	3
HIST 437 American Society in the 20th Century	3
HIST 438 America in the Sixties: The Crisis of Consensus Liberalism	3
HIST 443 Internship in History	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Courses of Instruction

HIST 100	THE STUDY OF HISTORY	3.0
The course is designed to introduce students to the nature of history as a scholarly intellectual pursuit. It is built around student activities dealing with the materials and typical research procedures used by historians and the challenges of criticizing and writing history at the beginner's level.		
HIST 103	FOUNDATIONS OF WESTERN CIVILIZATION	3.0
Origins and development of Western civilization to about 1350: Egyptian, Judaic, Greek, Roman, Islamic and Medieval European contributions. Meets the General Education Requirement - Social Science, American/European History.		
HIST 105	EMERGENCE OF EUROPEAN CIVILIZATION, 1500-1914	3.0
The emergence of Europe as a distinctive world civilization. The development of ideas, institutions and technologies from medieval times to World War I. Meets the General Education Requirement - Social Science, American/European History.		
HIST 106	CONTEMPORARY EUROPE, 1914 TO THE PRESENT	3.0
European society in transition since World War I. The role of two world wars in shaping contemporary times. Meets the General Education Requirement - Social Science, American/European History.		
HIST 108	INTRODUCTION TO AFRICAN CIVILIZATION	3.0
Pre-Colonial African civilization and its eclipse under slavery and the Colonial onslaught. Principal social, political and cultural systems of the period. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.		
HIST 109	INTRODUCTION TO ISLAMIC CIVILIZATION	3.0
Examination of various institutions and value systems in Islam which characterize it as a major civilization. Important cultural developments as they are affected by the process of transition. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.		

- HIST 110**
INTRODUCTION TO AMERICAN CIVILIZATION 3.0
 The mainstreams of development in American civilization. Political, intellectual, social, economic and cultural forces and achievements which have made the U. S. distinctive. Meets the General Education Requirement - Social Science, American/European History.
- HIST 111**
CONTEMPORARY AMERICAN ISSUES IN HISTORICAL PERSPECTIVE 3.0
 Examines contemporary issues in American society in historical perspective. Topics will vary from semester to semester in the light of changing problems confronting our society. Meets the General Education Requirement - Social Science, American/European History.
- HIST 114**
EARLY LATIN AMERICAN CIVILIZATION 3.0
 The components of Latin American civilization. Considered are the geographical background and developments of the Mayan, Incan, and Aztec civilizations, the Spanish and Portuguese backgrounds and the wars of independence. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 115**
HISTORY OF PUERTO RICO 3.0
 The history and culture of Puerto Rico and interaction with Spain, Latin America and the United States. Meets the Multicultural Awareness Requirement.
- HIST 117**
HISTORY OF THE UNITED STATES TO 1876 3.0
 Issues and problems in the development of the American nation from discovery and exploration to the Civil War and Reconstruction. Meets the General Education Requirement - Social Science, American/European History.
- HIST 118**
HISTORY OF THE UNITED STATES SINCE 1876 3.0
 Issues and problems in the development of the American nation from the Civil War to the present. Meets the General Education Requirement - Social Science, American/European History.
- HIST 128**
PREMODERN JAPAN: A HISTORY OF JAPAN TO THE MEIJI RESTORATION 3.0
 This is an introductory survey course in Japanese history from earliest times to the Meiji (1868-1912). It is a first step in Japan studies designed to provide a broad, useful, working knowledge of key aspects of traditional Japan. Culture, politics, society and economy will be built into a chronological historical structure. Japan's uniqueness will be outlined against a background of greater East Asian and world interactions. This course will stand on its own, but will also serve as a useful background to understanding modern and contemporary Japan. The course also aspires to sensitizing students to the inherent value of East Asian culture as a part of human richness and diversity.
- HIST 129**
MODERN JAPAN: A HISTORY OF JAPAN FROM THE MEIJI THROUGH THE SHOWA 3.0
 This is an introductory survey course in Japanese history from the Meiji (1868-1912) through the Showa (1925-present). While it would be useful to study premodern Japan before taking this course, modern Japan does stand on its own. A review of traditional Japan will be followed by study of the dynamic interaction of Japan and the West during the 19th Century. Japan's expansionism, World War II and the postwar period will be important topics. Cultural, military, economic political, and social developments will be discussed in historical settings. Students will be encouraged to appreciate the unique dynamics of Japan's development as a modern nation state and to explore the likely progress of Japan into the 21st Century.
- HIST 131**
INTRODUCTION TO INDIAN CIVILIZATION 3.0
 The early history of India, 3000 B.C. to 1000 A.D. Principal religions, political and literary works, and their insights into Indian social values and institutions. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 132**
INTRODUCTION TO CHINESE CIVILIZATION 3.0
 The early history of China, 2000 B.C. to 1300 A.D. Principal social, political and metaphysical-philosophic works, corresponding values and institutions. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 133**
MODERN CHINESE CIVILIZATION 3.0
 Modern China, 1600 to the present. Changes in values and mutual influence East and West, studied through literary, philosophical, anthropological, historical and artistic works. Meets the Multicultural Awareness Requirement.
- HIST 141**
FOUNDATIONS OF GLOBAL CIVILIZATION 3.0
 The increasing interaction between world cultures and civilizations during A.D. 1500-1914, the central role of Europe in the development of the first global phase of world history to 1914, cultural confrontation between West and non-West in the age of Modern Imperialism.
- HIST 204**
THE SECOND WORLD WAR 3.0
 A study of the origins and course of World War II in Europe, Asia and the Pacific.
- HIST 212**
SOCIAL HISTORY OF THE UNITED STATES 3.0
 Social and cultural aspects of American history: population movements, rural and urban problems, status of women, utopian ventures, mass media, recreation, human rights.
- HIST 213**
ECONOMIC HISTORY OF THE UNITED STATES 3.0
 Major trends in agriculture, commerce, finance, manufacturing, transportation and industrial relations from colonial beginnings to the present. Cross listed with Economics and Finance, ECON 213.
- HIST 214**
DIPLOMATIC HISTORY OF THE UNITED STATES 3.0
 Evolution of American foreign policy and diplomacy from the Revolution to the present. Selected basic readings in the field.
- HIST 215**
WOMEN IN AMERICAN HISTORY 3.0
 The changing role and status of women in American society from colonial times to the present. Meets the Multicultural Awareness Requirement.
- HIST 217**
HISTORY OF BLACK AMERICANS 3.0
 Role of Americans of African descent in the development of the United States. Contributions of Black Americans from initial discovery and exploration to mid-20th century. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- HIST 218**
POLITICAL HISTORY OF THE UNITED STATES 3.0
 The historical development of American political institutions from the early 1700's to the present. Focus upon the evolution of constitutional and legal structures, the party system and pressure groups, the role of bureaucracies and the impact of political leaders.
- HIST 219**
SPORT IN HISTORY 3.0
 This course takes a global approach to the history of sport, but focuses on the role of sport in American history. It examines sport in early world cultures, the development of sport as a mass spectator phenomenon in modern times, and the social significance of sport in the contemporary world.
- HIST 222**
ECONOMIC HISTORY OF EUROPE 3.0
 European economic development from the Middle Ages to the present. Emphasis on the first industrial revolution in Britain; comparing 19th century economic growth in Britain, France, Germany and Russia. Cross listed with Economics and Finance, ECON 222.

- HIST 223**
COMMUNIST REVOLUTION IN CHINA 3.0
 Ideological and historical significance studied against the background of domestic and international events, personalities and ideologies. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- HIST 225**
THE POLES, CZECHS, SLOVAKS AND HUNGARIANS SINCE 1815 3.0
 This survey examines the history of east central Europe since the Congress of Vienna. The spread and impact of nationalism, democracy, fascism and Communism will be considered.
- HIST 281**
GREEK CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman Conquest as seen through literary, documentary, and archaeological sources. Meets the General Education Requirement - Social Science American/European History. Cross listed with Classics and General Humanities, GNHU 281.
- HIST 282**
ROMAN CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary and archaeological sources. Meets the General Education Requirement - Social Science, American/European History. Cross listed with Classics and General Humanities, GNHU 282.
- HIST 309**
FEMINIST IDEAS IN WESTERN THOUGHT 3.0
 History of feminist ideas and theories about women and womanhood. Students examine important theoretical literature in Europe and America from 18th century to present. Original texts of Wollstonecroft, Fuller, Mill, and Freud will be considered against their socio-historic milieu.
- HIST 310**
IMMIGRANT IN AMERICAN HISTORY 3.0
 The processes by which the immigrant was incorporated into American society. Includes the cultural backgrounds from which the different groups came; the reasons for emigration; the nature of the communities they created once they reached the United States; their religious and social institutions; the problems of maintaining ethnic culture with the pressure to Americanize.
- HIST 312**
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
 The slow pace of settlement of the eastern seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1809. Cross listed with Earth and Environmental Studies, EUGS 312.
- HIST 313**
BIOGRAPHY IN AMERICAN HISTORY 3.0
 The significant biographical materials available in the study of American history; the problems and uses of biography.
- HIST 315**
WAR IN HISTORY 3.0
 Examines selected wars in the history of the world in an attempt to learn about causes and consequences of war. Considers attempts to prevent war in the past, and proposed methods for preventing war in the future.
- HIST 320**
AMERICAN URBAN HISTORY SINCE 1880 3.0
 Transformation of the 19th century industrial city into the 20th century metropolis; the emergence of the New York metropolitan region.
- HIST 321**
HISTORY OF THE AMERICAN WORKER SINCE 1877 3.0
 History of the American worker rather than his trade union. The worker's legal status, political behavior, social and cultural activities treatment by employer and state.
- HIST 322**
MEDIEVAL EUROPEAN CIVILIZATION 450-1350 3.0
 Origins, development, and significance of a civilization whose political, social and cultural foundations had a spiritual basis and unity.
- HIST 323**
HISTORY OF RUSSIA TO 1917 3.0
 Factors shaping the Russian people: Byzantium and Greek Orthodox faith, Tartar state organization, the Mir, Westernization from Peter to Lenin, intellectual and radical movements.
- HIST 324**
RUSSIA SINCE 1917 3.0
 Political, social, economic and intellectual developments in the Soviet Union; the relationship of ideology and national goals.
- HIST 326**
MODERN GERMAN HISTORY 3.0
 German society, culture and politics from 1789 to the present. The formation of a unified state in the nineteenth century. The effects of World War I and of National Socialism. The division of Germany after World War II and the reunification of the country in 1989-1990.
- HIST 327**
HISTORY OF FRANCE SINCE 1789 3.0
 Political, social, economic and intellectual developments in France since the Revolution.
- HIST 328**
CONFLICT IN MODERN IRELAND 3.0
 A history of Irish nationalism with emphasis on the period from 1782 to the present.
- HIST 329**
HISTORY OF ENGLAND TO 1714 3.0
 Emphasis on political and constitutional history, the formation of basic institutions of law and government and related economic, social and cultural factors.
- HIST 330**
CHINESE SOCIAL HISTORY THROUGH LITERATURE 3.0
 Masterpieces of the Chinese literary tradition from earliest times to the 20th century. Literary genre in historical perspective and as expression of social and cultural values.
- HIST 331**
HISTORY OF ENGLAND 1714-1914 3.0
 Political, social and economic history from the Hanoverian succession to the 20th century: Industrial Revolution, changing balance of the Constitution, British Imperialism, the Irish question.
- HIST 333**
HISTORY OF BRAZIL 3.0
 Traces the historical development from the pre-historical Indian cultures to the 1970's; covers the social, cultural, political, economic and religious aspects of the largest Latin-American nation.
- HIST 334**
WOMEN IN THE MUSLIM WORLD: A HISTORY OF REPRESENTATIONS 3.0
 A survey of writings by and about Muslim women examined historiographically. We examine conventional wisdom about Muslim women through the ages, and how this "wisdom" was constructed: Who wrote about Muslim women? When? How? What purposes have these writings served at different times and places since the inception of Islam and during the course of its 1,500 year history.
- HIST 400**
SENIOR SEMINAR IN HISTORY 3.0
 Directed research and preparation of seminar reports and written paper on special topics in the main fields of history. Required for senior history majors. *Prerequisite: HIST 100.*
- HIST 406**
HISTORY OF AMERICAN BUSINESS 3.0
 Provides historical background toward understanding the present role business plays in American society. Examines the role of the entrepreneur and business manager in the evolution of American business.
- HIST 408**
INDEPENDENT STUDY EUROPEAN HISTORY 3.0
 To provide opportunity for students, mainly history majors, to do independent work in the field of European history.

- HIST 409
INDEPENDENT STUDY NON-WESTERN HISTORY 3.0
To provide opportunity for students, mainly in history or transcultural studies, to do independent work in the field of non-Western history.
- HIST 410
INDEPENDENT STUDY IN AMERICAN HISTORY 3.0
To provide an opportunity to do independent work in the field.
- HIST 411
INTELLECTUAL HISTORY OF THE UNITED STATES 3.0
Development and contributions of the thought of individuals and groups, dominant and minority, and their effect on the American mind, traditions and practices.
- HIST 416
CHURCH AND STATE IN LATIN AMERICA 3.0
The Roman Catholic Church as the major spiritual institution as well as a cultural, moral, political and economic force in Latin America.
- HIST 419
AGE OF RENAISSANCE 1350-1517 3.0
Political, economic, social and broad cultural developments in Italy and Western Europe during 1350-1517.
- HIST 426
THE NAZI THIRD REICH 3.0
Major economic, social, political and intellectual developments in 20th century Germany; demise of Weimar Republic and ascension of Nazi Third Reich.
- HIST 427
THE HOLOCAUST 3.0
The history of the Holocaust and an overview of its representations in the academic historiography as well as in literary and autobiographical texts.
- HIST 430
REVOLUTIONS IN LATIN AMERICAN HISTORY 3.0
Examines and compares the causes, course and consequences of three major social revolutions in Latin America: Mexico (1910), Bolivia (1952), Cuba (1959).
- HIST 431
DEVELOPMENT OF INDIAN CHARACTER AND CULTURE 3.0
The historical conditioning of Indian behavior. Culture change in the perspective of colonialism and modernization; contributions of religion to social and political values and modern literature. Cross listed with Anthropology, ANTH 431. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- HIST 432
DEVELOPMENT OF JAPANESE CHARACTER AND CULTURE 3.0
The historical conditioning of Japanese behavior. Cultural change in the perspective of traditional periodization of Japanese history. Contributions of religion and philosophy in defining social values. Cross listed with Anthropology, ANTH 432. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- HIST 433
AMERICAN COLONIAL HISTORY 1607-1763 3.0
Developments within the English colonies, interactions between England and the colonists, growth of a distinctive American society.
- HIST 434
AMERICAN REVOLUTION AND EARLY REPUBLIC 1763-1828 3.0
Analysis of events leading to the war for independence; political, economic and foreign problems of the new nation; the growth of nationalism.
- HIST 435
THE UNION IN CRISIS 1820-1877 3.0
Significant events and developments of the period: Jacksonian democracy, westward expansion and sectionalism, the Civil War and Reconstruction.
- HIST 436
AMERICA IN THE GILDED AGE 3.0
The forces which contributed to the development of modern, industrialized America; American society and its reaction to changes of the period.
- HIST 437
AMERICAN SOCIETY IN THE 20TH CENTURY 3.0
The continuing reactions to the problems of an industrialized America. The New Deal and recent Supreme Court decisions.
- HIST 438
AMERICA IN THE SIXTIES: THE CRISIS OF CONSENSUS
LIBERALISM 3.0
Analyzes the crisis of American liberalism as that ideology was beset by the consequences of postwar affluence and the growing radicalism during the Kennedy-Johnson administration; and the backlash that developed into the Nixon "New Majority".
- HIST 443
INTERNSHIP IN HISTORY 3.0
Opportunity for the advanced student to acquire practical experience working directly with primary sources of history in state and local depositories of historical materials.
- HIST 499
SELECTED TOPICS 1.0-3.0
Study in a specific historical period, problem or theme. Particular course offerings will vary. Students may repeat course for up to nine credits as long as individual topic is different. Consult current schedule of courses for semester offering.
- SOSC 401
METHODS OF TEACHING SOCIAL STUDIES 3.0
Presents recent trends in educational method in teaching the social studies. A program is presented containing the correlation of subject matter organization in socialized recitation, the teaching of current events, projects in citizenship, and the use of the project-problem as a method of teaching history and civics.

HUMAN ECOLOGY

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Elaine Flint

Human Ecology is concerned with the study of individuals and families, their environments, needs, problems and futures. The department offers ten concentrations which synthesize, interrelate, and integrate knowledge from other disciplines toward understanding and finding solutions to concerns of individuals and families.

A Bachelor of Science degree in Human Ecology is offered with concentrations in Food and Nutrition-General, Food and Nutrition-Dietetics, Food and Nutrition-Food Technology and Foodservice Management; the Bachelor of Arts degree in Human Ecology is offered in Consumer Affairs, Family and Child Studies-Applied, Family and Child Studies-Child Life Specialist, Family and Child Studies-Early Childhood Education, Fashion Studies, and Home Economics Education. Students may prepare to teach, work with businesses, agencies, government programs, other institutions and/or pursue graduate study. Many courses are open as electives for those majoring in other fields of study.

Montclair State's Human Ecology unit is accredited by the Council for Professional Development of the American Association of Family and Consumer Sciences. The didactic program in dietetics is approved by the American Dietetics Association.

Human Ecology Major

Required Courses (All Concentrations)

	Semester Hours
HENU 182 Nutrition	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEMG 270 Individual Management: Theories and Strategies	3
HECO 304 Introduction to Research	3
HECO 400 Senior Seminar: The Profession of Home Economics	3

Concentrations Within the Major

Consumer Affairs Concentration

	Semester Hours
Required Courses	32
HEMG 335 Consumers in the Market	3
HEMG 435 Consumer Action	3
HEFM 445 The Inner City Family	3
HEMG 470 Family Management	3
HECO 409 Internship in Home Economics	8
OR	
COED 401 Cooperative Education Experience I	8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)	

12 semester hours in one of the Consumer Affairs emphasis areas listed on the program worksheet

Collateral Courses	24
MKTG 240 Introduction to Marketing	3
STSP 234 Fundamentals of Public Speaking	3
PHIL 210 Ethics	3
PSYC 101 General Psychology I: Growth and Development	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3
POLS ____ Political Science Course	3

Electives 0-17
See the program worksheet for a list of recommended electives.

Family and Child Studies-Applied Concentration

	Semester Hours
Required Family and Child Studies Core	21
HECO 141 Interpersonal Relations	3
HEMG 231 The Family in the Economic System	3
OR	
HEMG 331 Money Management	3
HEFM 214 Child Development I	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEFM 445 The Inner City Family	3
HECO 448 Family Counseling	3

Required Courses	20
HEFM 215 Infant Development	3
OR	
HE ____ Human Ecology Elective	
HECO 205 Women in Contemporary Society	3
HEFM 320 Parenting Skills and Resources	3
HECO 344 Challenge of Aging	3
HECO 409 Internship in Home Economics	3
OR	
COED 401 Cooperative Education Experience I	8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)	

Collateral Courses	9
PSYC 101 General Psychology I: Growth and Development	3
PHIL 210 Ethics	3
HLTH 290 Human Sexuality	3
OR	
PSYC 227 Psychological Aspects of Human Sexuality	3

Electives 2-20
Students may choose electives to fulfill requirements of a minor or from a list of recommended courses listed on the program worksheet.

Family and Child Studies-Child Life Specialist Concentration

	Semester Hours
Required Family and Child Studies Core	21
HECO 141 Interpersonal Relations	3
HEMG 231 The Family in the Economic System	3
OR	
HEMG 331 Money Management	3
HEFM 214 Child Development I	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEFM 445 The Inner City Family	3
HECO 448 Family Counseling	3

Required Courses	40
Group 1 - All courses	
HEFM 215 Infant Development	3
OR	
PSYC 320 Developmental Psychology I	3
HEFM 319 Language and Literature for Young Children	3
HEFM 320 Parenting Skills and Resources	3
OR	
HEFM 418 Strategies for Working with Parents	3
HEFM 416 Creative Arts and Expression in the Classroom	3
HLTH 105 Medical Terminology	3
PSYC 101 General Psychology	3
PSYC 235 Psychology of Exceptional Children and Youth	3
SOCI 211 Sociology of Health and Illness	3
OR	
PSYC 302 Health Psychology	3
RELG 269 Death and Dying: Religious Perspectives	3
COED 401 Cooperative Education I or a combination of COED 401 and COED 402 or HECO 409 Internship in Home Economics	4

Group 2 - Select 1 course from the following:		
COUN	331 Group Dynamics	3
COUN	413 Introduction to Neurolinguistic Programming and Ericksonian Techniques	3
SOCI	337 Methods and Techniques in the Helping Professions	3
PSYC	366 Health Psychology: Applications to the Community	3
PSYC	402 Social Role of Psychotherapies	3

Group 3 - Select 2 courses from the following:		
BIOL	240 Mammalian Anatomy and Physiology I	3
BIOL	241 Mammalian Anatomy and Physiology II	3
HLTH	307 The Study of Human Diseases	3
HLTH	430 Health Counseling	3
HLTH	455 Core Concepts in the Delivery of Health Care	3
HLTH	460 Systems of Health Services Delivery	3
PSYC	305 Physiological Psychology	3

Electives	6
------------------------	---

Family and Child Studies- Early Childhood Education Concentration (Nursery-Eighth Grade [N-8] Teacher Certification)

	Required Family and Child Studies Core	27
HECO	141 Interpersonal Relations	3
HEMG	231 The Family in the Economic System	3
OR		
HEMG	331 Money Management	3
HEFM	214 Child Development I	3
HEFM	314 Child Development II	3
HEFM	315 Field Experiences in Family and Child Services	3
HEFM	445 The Inner City Family	3
HECO	448 Family Counseling	3

	Human Ecology and Collateral Courses	15
HEFM	319 Language and Literature for Young Children	3
HEFM	416 Creative Arts and Expression in the Classroom	3
HEFM	417 Discovery and Problem Solving in the Classroom	3
HEFM	418 Strategies for Working with Parents	3
HEFM	420 Program Planning in Early Childhood Education	3
PSYC	201 Child Psychology	3

Nursery-Eighth Grade (N-8) Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog under Teacher Education Program with the following exception: READ 400 Foundations of Reading Instruction substitutes for the course in reading.

Fashion Studies Concentration

	Required Courses	29
HETX	122 Clothing and Culture	3
HETX	220 Textile and Apparel Industry	3
HEDN	265 Interior Design	3
HETX	298 Textiles I: Introduction	3
HETX	320 Historical Analysis of Fashion	3
HETX	325 The Marketing of Fashion	3
HEMG	435 Consumer Action	3
HECO	409 Internship in Home Economics	8

	Collateral Courses	31
ANTH	100 Cultural Anthropology	3
ARFD	100 Design Foundations of Visual Organization I, 2D	3
	Studio Art course	3
ARHS	105 Art in Western Civilization: Ancient to Medieval	3
OR		
ARHS	106 Art in Western Civilization: Renaissance to Modern	3
CHEM	100 Introductory Chemistry	4
ECON	101 Principles of Economics: Macro	3
ECON	102 Principles of Economics: Micro	3
MGMT	231 Management Processes	3
MKTG	240 Introduction to Marketing	3
PSYC	101 General Psychology I: Growth and Development	3

Electives	0-17
Strongly Recommended:	
ARHS 276 History of Textiles: Focus on the Americas	3
HECO 308 Independent Study (in Fashion Promotion)	3
HETX 120 Clothing Construction	3
HETX 398 Textiles II	3
HETX 426 Apparel Design	3
MGMT 316 Human Resource Management	3
MKTG 309 Buying for Distribution	3
MKTG 344 Advertising Theory and Techniques	3
PHYS 443 Computer-Aided Drafting: An Introduction	3

General Education

French, Spanish or Italian to fulfill foreign language requirement	6
--	---

Food and Nutrition-General Concentration

	Required Food and Nutrition Core	22
HENU	150 Food Composition and Scientific Preparation	3
HENU	153 Food and People	3
HENU	255 Meal Design and Management	3
HENU	282 Applied Nutrition in the Life Cycle	4
HENU	357 Experimental Food Science	3
BIOL	254 Applied Microbiology	3
ECON	100 Introduction to Economics	3
OR		
ECON	101 Principles of Economics: Macro	3
OR		
ECON	102 Principles of Economics: Micro	3

	Required Courses	12
HEED	412 Nutrition Education Techniques	3
HEMG	435 Consumer Action	3

Choose 6 credits from the following:

HEFD	253 Quantity Food Purchasing and Production	3
HENU	382 Advanced Nutrition	4
HENU	456 Research in Foods	3
HENU	482 Nutrition Counseling	3
HECO	408 Workshop in Home Economics: Sensory Evaluation	3

	Collateral Courses	14
CHEM	111 Elements of Chemistry I	3
CHEM	109 College Chemistry Laboratory I	1
CHEM	130 Fundamentals of Organic Chemistry	4
CMPT	108 Computers and Programming	3
OR		
CMPT	109 Introduction to Computer Applications	3
ENWR	210 Newswriting	3

Electives	6-28
------------------------	------

Food and Nutrition-Dietetics Concentration*

	Required Food and Nutrition Core	22
HENU	150 Food Composition and Scientific Preparation	3
HENU	153 Food and People	3
HENU	255 Meal Design and Management	3
HENU	282 Applied Nutrition in the Life Cycle	4
HENU	357 Experimental Food Science	3
BIOL	254 Applied Microbiology	3
ECON	100 Introduction to Economics	3
OR		
ECON	101 Principles of Economics: Macro	3
OR		
ECON	102 Principles of Economics: Micro	3

	Required Courses	22
HEFD	252 Quantity Food Purchasing and Production Laboratory	2
HEFD	253 Quantity Food Purchasing and Production	3
HEFD	352 Organization and Management of Foodservice Systems	3
HENU	382 Advanced Nutrition	4
HEED	412 Nutrition Education Techniques	3
HENU	482 Nutrition Counseling	3
HENU	488 Medical Nutrition Therapy	4

Collateral Courses	29
BIOL 243 Human Anatomy and Physiology	4
CHEM 109 College Chemistry Laboratory I	1
CHEM 111 Elements of Chemistry	3
CHEM 130 Fundamentals of Organic Chemistry	4
CHEM 270 Fundamentals of Biochemistry	5
CMPT 108 Computers and Programming	
OR	
CMPT 109 Introduction to Computer Applications	3
MATH 109 Statistics	3
MGMT 231 Management Processes	3
PSYC 101 General Psychology I: Growth and Development	3

Electives 0-6

* This didactic program in dietetics is approved by the American Dietetics Association. Careful advisement is recommended so that requirements of the American Dietetics Association might be met.

Food and Nutrition-Food Technology Concentration

	Semester Hours
Required Food and Nutrition Core	22
HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Food and People	3
HENU 255 Meal Design and Management	3
HENU 282 Applied Nutrition in the Life Cycle	4
HENU 357 Experimental Food Science	3
BIOL 254 Applied Microbiology	3
ECON 100 Introduction to Economics	
OR	
ECON 101 Principles of Economics: Macro	
OR	
ECON 102 Principles of Economics: Micro	3

Required Courses	12
HEFD 254 Foodservice Equipment and Facilities Design	
OR	
HENU 257 Introductory Food Science	3
HEMG 435 Consumer Action	3
HENU 456 Research in Foods	3
HECO 408 Workshop in Home Economics: Sensory Evaluation	3

Collateral Courses	34
CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2
CMPT 108 Computers and Programming	
OR	
CMPT 109 Introduction to Computer Applications	3
MATH 115 Precalculus Mathematics	3
MATH 122 Calculus I	4
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Electives 0-11

Foodservice Management Concentration

	Semester Hours
Required Courses	28
HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Food and People	3
HEFD 252 Quantity Food Purchasing and Production Laboratory	2
HEFD 253 Quantity Food Purchasing and Production	3
HEFD 254 Foodservice Equipment and Facilities Design	3
HEFD 352 Organization and Management of Foodservice Systems	3
HEFD 353 Specialized Food Production	3
HECO 409 Internship in Home Economics	
OR	
COED 401 Cooperative Education Experience I	8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)	

Collateral Courses	41
ACCT 200 Accounting for Non-Business Majors	3
BIOL 110 The Biology of Human Life	4
BIOL 254 Applied Microbiology	3
BSLW 261 Legal Environment of Business I	3
CHEM 107 College Chemistry I	2
CHEM 109 College Chemistry Laboratory I	1
CHEM 130 Fundamentals of Organic Chemistry	4
CMPT 108 Computers and Programming	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3
MGMT 316 Human Resource Management	
OR	

PSYC 240 Industrial and Organizational Psychology	3
MKTG 240 Introduction to Marketing	3
PSYC 101 General Psychology I: Growth and Development	3

Electives 0-8

Home Economics Education Concentration

	Semester Hours
Required Courses and Collateral	42
HETX 120 Clothing Construction	3
HETX 122 Clothing and Culture	3
HECO 141 Interpersonal Relations	3
HENU 150 Food Composition and Scientific Preparation	3
HEDN 160 Equipment in the Home	3
HEFM 214 Child Development I	3
HENU 255 Meal Design and Management	3
HEDN 260 Housing and Society	3
HETX 298 Textiles I: Introduction	3
HEMG 435 Consumer Action	3
HEFM 445 Inner City Family	3
HEMG 470 Family Management	3
HE__ __ Human Ecology Elective	3
ECON 101 Principles of Economics: Macro	3

Home Economics Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog under Teacher Education Program. In addition, the courses HEED 201 Introduction to Home Economics Education and HEED 309 Teaching of Home Economics must be taken.

Courses of Instruction

HECO 141
INTERPERSONAL RELATIONS 3.0
Relevant and up-to-date information about meaningful human relationships throughout the life cycle. Meets the General Education Requirement - Electives, Personal/Professional Issues.

HECO 205
WOMEN IN CONTEMPORARY SOCIETY 3.0
Those historical developments and social forces which have shaped the status of women in America. Discussion of current concerns and role options available to today's women. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement.

HECO 301
VOLUNTEER IN THE COMMUNITY 2.0-4.0
The role of the volunteer solving the socio-economic-civic-educational problems facing individuals and families; volunteer participation as an individual and in groups. Field work required.

HECO 304
INTRODUCTION TO RESEARCH 3.0
Provides awareness of the contributions of research to the advancement of human welfare. Developing skills for intelligent pursuit and consumption of research. Not open to freshmen.
Prerequisite: Sophomore standing.

HECO 308		
INDEPENDENT STUDY	1.0-3.0	
Advanced areas of Human Ecology not offered in the regular curriculum.		
<i>Prerequisite: Departmental approval.</i>		
HECO 344		
CHALLENGE OF AGING	3.0	
The change over the adult life span as it affects family interaction and resources in various sub-cultures. Implications for social policy and institutions relative to an increasing aging population. Field participation with agencies and elders; minimum 6 hours contact - more encouraged. Meets the General Education Requirement - Contemporary Issues.		
HECO 400		
SENIOR SEMINAR: THE PROFESSION OF HOME ECONOMICS	3.0	
A capstone course which explores the integrative nature of the profession of Home Economics and investigates the roles, conflicts and decision-making perspectives for beginning professionals.		
<i>Prerequisites: HEFM 248 and HEMG 270 and HENU 182; senior standing; Human Ecology majors only, all concentrations.</i>		
HECO 408		
WORKSHOP IN HOME ECONOMICS	1.0-3.0	
Opportunity to study selected current problems in the field of home economics.		
HECO 409		
INTERNSHIP IN HOME ECONOMICS	8.0 OR 12.0	
Opportunity to work as an intern in a professional setting in business, a community agency or a service organization. Application available in the Human Ecology Department. This course is offered as Pass/Fail only.		
<i>Prerequisite: Senior standing; Human Ecology majors only, all concentrations.</i>		
HECO 448		
FAMILY COUNSELING	3.0	
Techniques and theories of collecting data and counseling families with such problems as money management, nutrition concerns, parent-child relationships and value conflicts.		
<i>Prerequisites: HECO 141 and HEFM 214 and HEFM 248 and senior standing or graduate status.</i>		
HECO 491		
DEPARTMENTAL SEMINAR IN STUDENT TEACHING	1.0	
An opportunity for students who are engaged in student teaching in Home Economics and Early Childhood Education to share and discuss their ongoing experiences. Analysis of specific situations encountered will be undertaken. Individual problems will be explored. Emphasis will be on becoming a student of the teaching process, as well as on the performance of a student teacher.		
<i>Corequisite: Must be taken concurrently with CURR 411.</i>		
HEDN 160		
EQUIPMENT IN THE HOME	3.0	
Principles and resources involved in the selection, use and care of equipment in the home.		
HEDN 260		
HOUSING AND SOCIETY	3.0	
This survey course examines housing as a product and a process which affects and is affected by families and households throughout the life cycle. Housing viewed through an interdisciplinary perspective is seen as influenced by household preferences and societal factors. Meets the General Education Requirement - Contemporary Issues.		
HEDN 265		
INTERIOR DESIGN	3.0	
Selection, organization and evaluation of furnishing for the residential environment. Principles and elements of design studied in relation to interior residential space.		
HEED 309		
TEACHING OF HOME ECONOMICS	3.0	
Curriculum development; materials and teaching strategies appropriate to home economics. To be taken semester prior to student teaching.		
<i>Corequisite: CURR 410 Intermediate Field Experience in Education</i>		
HEED 412		
NUTRITION EDUCATION TECHNIQUES	3.0	
Procedures and techniques for developing programs and teaching nutrition to a variety of target populations. Individual and group methods emphasize innovation. Field studies		
<i>Prerequisite: HENU 182 and HENU 282.</i>		
HEFD 252		
QUANTITY FOOD PURCHASING AND PRODUCTION LABORATORY	2.0	
Laboratory experiences to support basic concepts of quantity food purchasing and production. Laboratory assignments off-campus in functioning foodservice facilities. To be taken concurrently with HEFD 253 Quantity Food Purchasing and Production.		
<i>Prerequisite: HEFD 253. Special fee.</i>		
HEFD 253		
QUANTITY FOOD PURCHASING AND PRODUCTION	3.0	
Determining needs, purchasing, storing, preparing and serving food in large volume.		
<i>Prerequisites: HENU 150 and 182.</i>		
HEFD 254		
FOODSERVICE EQUIPMENT AND FACILITIES DESIGN	3.0	
Facilities layout and design. Selection of equipment based on design criteria. Purchasing standards and procedures.		
<i>Prerequisite: HEFD 252.</i>		
HEFD 352		
ORGANIZATION AND MANAGEMENT OF FOODSERVICE SYSTEMS	3.0	
Principles of management, organizational structure, policy and decision-making. The menu in management, budgeting and cost control, sanitation and safety, personnel policies and management.		
<i>Prerequisites: HEFD 252 and MGMT 231.</i>		
HEFD 353		
SPECIALIZED FOOD PRODUCTION	3.0	
Opportunity to study selected problems in food production in various types of foodservice operation. Menu planning and production for special events; terminology and techniques utilized in specialized areas of food production. Laboratory experience is included.		
<i>Prerequisites: HEFD 254 and HEFD 352. Special fee.</i>		
HEFM 140		
FAMILY IN SOCIETY	3.0	
Provides basic insights and concepts from the social sciences to study the history and structure of the family as a basic but changing institution in modern America. Meets the General Education Requirement - Social Science, Topic Course.		
HEFM 214		
CHILD DEVELOPMENT I	3.0	
A developmental approach to the young child from conception to age five. The major challenges confronting the developing child mastering the tasks of socialization and understanding the world. Supervised observation and participation with groups of young children for two and one half hours per week, each week of the semester. Field work required.		
<i>Prerequisite: PSYC 101.</i>		
HEFM 215		
INFANT DEVELOPMENT	3.0	
The infant as a developing individual within the family. Theory and research in the area of human infancy. Physical, cognitive and emotional growth from pre-natal through the first two years of life. Field experiences required.		
HEFM 248		
INDIVIDUAL AND FAMILY DEVELOPMENT OVER THE LIFESPAN	3.0	
This introductory course provides an overview of human and family development over the life span in the United States and in other societies. The concepts of continuity and change in both individual and family relationships, status and roles will be explored.		
<i>Prerequisite: Human Ecology majors only, all concentrations.</i>		

- HEFM 314**
CHILD DEVELOPMENT II 3.0
 This course focuses on the developmental approach to studying the school-aged child (6-18 years). Physical, emotional, intellectual, social and moral development throughout this age period are studied. The influences of family, peers and society on the developing individual are examined. Field experience is required.
Prerequisites: HEFM 214; Human Ecology majors only, all concentrations.
- HEFM 315**
FIELD EXPERIENCES IN FAMILY AND CHILD SERVICES 3.0
 Planned supervised experience with selected agencies offering services for families and for children. 35 hours of field work required.
Prerequisites: HEFM 248 and HEFM 314 and HECO 141.
- HEFM 319**
LANGUAGE AND LITERATURE FOR YOUNG CHILDREN 3.0
 The qualities of children's expression through language, books, stories and poems; criteria for evaluating material for the pre-school program. Not open to freshmen.
Prerequisite: Sophomore standing.
- HEFM 320**
PARENTING SKILLS AND RESOURCES 3.0
 Opportunities for the student to develop effective parenting skills and the knowledge about human development needed for the application of these skills. Impact of parenting resources on both parents and non-parents. Local, state and national resources examined. Assigned activities with children. Meets the General Education Requirement - Electives, Personal/Professional Issues.
- HEFM 414**
ORGANIZATION AND MANAGEMENT OF CHILD CARE CENTERS 3.0
 Basic principles of supervision and administration applied to developing a sound program in a modern pre-school program. The learning process applied to the professional development of staff. Organization and administration of individual classrooms and the total school program; the relationship of the school to community services and agencies.
Prerequisites: HEFM 214 and junior standing.
- HEFM 416**
CREATIVE ARTS AND EXPRESSION IN THE CLASSROOM 3.0
 Offers students preparing to teach young children an opportunity to learn about the contribution of curriculum experiences designed to nurture the young child's self expression and creativity in the areas of art, music, dramatic play, and manipulative and constructive activities. Examines the role of the teacher in choosing materials and activities as well as designing an environment in which creativity is fostered.
Prerequisites: HEFM 214 and junior standing; Human Ecology majors only.
- HEFM 417**
DISCOVERY AND PROBLEM SOLVING IN THE CLASSROOM 3.0
 Offers students preparing to teach young children an opportunity to learn about various ways to design experiences that nurture young children's understandings about their world. Enables students to develop skills and dispositions which motivate children to explore and change that world. Provides background for use of developmentally appropriate integrated experiences in the maths, sciences and technology for young children. Examines the role of the teacher in choosing materials and experiences as well as designing an environment in which exploration and problem solving are fostered.
Prerequisites: HEFM 314; Human Ecology majors only.
- HEFM 418**
STRATEGIES FOR WORKING WITH PARENTS 3.0
 Establishing a positive team approach between the parent and teacher. Parent-teacher interaction. How the teacher interprets parental anxieties, and conducts individual conferences and group meetings.
Prerequisite: HEFM 214.
- HEFM 420**
PROGRAM PLANNING IN EARLY CHILDHOOD EDUCATION 3.0
 Principles of curriculum development for programs for young children. Taken the semester prior to student teaching.
Prerequisite: Admitted to the Teacher Education Program.
Coresquisite: CURR 410 Intermediate Field Experience in Education.
- HEFM 445**
THE INNER CITY FAMILY 3.0
 Sub-cultures residing in large cities. The impact of urbanization, ethnicity, social and economic institutions. Problems which families encounter. Community contact is part of the course. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: Junior standing.
- HEMG 231**
THE FAMILY IN THE ECONOMIC SYSTEM 3.0
 The family as an economic unit in society. Economic behavior of various sub-cultures, age groups and family patterns. Meets the General Education Requirement - Social Science, Topic Course.
- HEMG 270**
INDIVIDUAL MANAGEMENT: THEORIES AND STRATEGIES 3.0
 Opportunity to investigate management theories and apply them to personal life. Influences on, and blocks to, personal management, problem solving, planning, and expediting. Required of majors. Meets the General Education Requirement - Contemporary Issues.
- HEMG 331**
MONEY MANAGEMENT 3.0
 The role and meaning of money in individual and family living; understanding income as a means of acquiring a style of life; the effective control of income, spending, savings, credit, and managing resources for future needs.
- HEMG 335**
CONSUMERS IN THE MARKET 3.0
 The consumer perspective of the marketplace. Emphasis on developing research skills and understanding laws, regulations and agencies that affect the consumer. Not open to freshmen.
Prerequisite: Sophomore standing.
- HEMG 435**
CONSUMER ACTION 3.0
 The market place as a social, psychological and economic institution serving consumers. Emphasis on consumer motivation, market organization, pricing and selling strategies: trends and current issues which affect the quality and availability of goods and services.
Prerequisites: ECON 101 or ECON 102, and HECO 304.
- HEMG 470**
FAMILY MANAGEMENT 3.0
 Opportunity to analyze situations in which individuals and families use resources to maintain daily life and solve problems. Roles, goals, decision making, use of human and nonhuman resources and factors influencing household management.
Prerequisite: HEMG 270.
- HENU 150**
FOOD COMPOSITION AND SCIENTIFIC PREPARATION 3.0
 An introduction to food science, nutrition and food preparation with emphasis on scientific principles involved in the characteristics of acceptable standardized products and product evaluation.
Prerequisite: Special fee.
- HENU 153**
FOOD AND PEOPLE 3.0
 This course is designed to give students an opportunity to explore issues of food accessibility through a study of: basic nutrition concepts; factors influencing food behaviors; food acquisition through history; food system history; the impact on the ecological system in the quest for food; the economical, sociocultural, environmental and political aspects of the world food situation. Meets the General Education Requirement - Contemporary Issues.
- HENU 182**
NUTRITION 3.0
 This course is designed to give students a general knowledge of the components of the food we eat, the nutrients necessary for a healthy life, the functions of nutrients, and the interrelationships and metabolism of nutrients. The factors which influence the recommended dietary intake of nutrients, and theories and guidelines for screening nutrition risk and disease and prevention are presented. An historical and current status of the science of nutrition is presented. Meets the General Education Requirement - Natural/Physical Science, Non-Laboratory Science Only.

HENU 255		
MEAL DESIGN AND MANAGEMENT	3.0	
A course designed to include the design and delivery of meals for individuals and families. Special emphasis on nutrition and economic needs balanced with current life styles. Principles involved in meal management will be practiced and illustrated through class labs.		
<i>Prerequisites: HENU 150 and 182. Special fee.</i>		
HENU 257		
INTRODUCTORY FOOD SCIENCE	3.0	
An introduction to the science of food, with emphasis on the study of the constituents of food and the chemical, physical and biological reactions occurring in food that affect safety, nutritional, sensory and economical changes during processing and storage. This course is appropriate for students in food and nutrition, foodservice management, biology, chemistry, and health sciences.		
<i>Prerequisites: CHEM 111 or 107 and 109.</i>		
HENU 282		
APPLIED NUTRITION IN THE LIFE CYCLE	4.0	
The application of basic nutrition knowledge to individuals and community agencies. Assessing nutrition problems in community settings and planning and evaluating programs to deal with those problems. Analysis of the physiological, biochemical, psychological and sociological factors that affect nutrient needs throughout the life cycle. Field studies.		
<i>Prerequisite: HENU 182.</i>		
<i>Prerequisite or corequisite: CHEM 130.</i>		
HENU 357		
EXPERIMENTAL FOOD SCIENCE	3.0	
Study of the theory and applications of the chemical and physical changes involved in food processing, storage and preparation through objective and subjective analytical techniques.		
<i>Prerequisites: HENU 150 and CHEM 130. Special fee.</i>		
HENU 382		
ADVANCED NUTRITION	4.0	
The physiological and chemical bases for nutrient needs, mechanisms through which nutrients meet the biological needs of humans, evaluation and interpretation of research findings.		
<i>Prerequisites: HENU 182 and BIOL 243 and CHEM 270.</i>		
HENU 456		
RESEARCH IN FOODS	3.0	
Scientific method in the design and execution of experimental food studies and in the interpretation and evaluation of results. Independent laboratory research.		
<i>Prerequisite: HENU 357. Special fee.</i>		
HENU 482		
NUTRITION COUNSELING	3.0	
This course offers practical experience dealing with the principles of marketing, adult learning, helping skills, data analysis, record keeping, and evaluation as related to weight control and nutritional assessment. Sixteen hours of clinical experience is required.		
<i>Prerequisites: HENU 182 and HENU 282 and HENU 255; HEED 412.</i>		
HENU 488		
MEDICAL NUTRITION THERAPY	4.0	
This course enables students to apply nutrition science in the prevention and treatment of human diseases and medical conditions. Nutrition assessment, diet modification, and specialized nutrition support, such as enteral and parenteral feeding, are covered.		
<i>Prerequisites: HENU 182 and HENU 382 and BIOL 243 and CHEM 270.</i>		
HENU 490		
PROFESSIONAL DIETETICS SEMINAR	1.0	
A course for students planning a career in dietetics. Topics include dietetic career options, dietetic internships, approved pre-professional practice programs (AP4) and application procedures. Participation in a dietetic internship or an approved pre-professional practice program (AP4) is required by the American Dietetic Association in order to become a Registered Dietitian. This course is offered as a Pass/Fail only.		
<i>Prerequisite: HENU 382.</i>		
HETX 120		
CLOTHING CONSTRUCTION	3.0	
Theory and techniques for achieving well-fitted apparel; basic concepts, competencies and technologies using appropriate fabrics and commercial patterns.		
HETX 122		
CLOTHING AND CULTURE: A MULTIDISCIPLINARY STUDY	3.0	
Analysis of dress in terms of cultural, social, psychological and economic influences. Clothing choices related to individual concerns, including esthetic, physical and ecological factors. Meets the General Education Requirement - Electives, Personal/Professional Issues.		
HETX 220		
TEXTILE AND APPAREL INDUSTRY	3.0	
In-depth study of factors which spur progress, affect supply, demand, and ultimately the consumer. History, economic structure and patterns of production, distribution and marketing of textile and apparel industries.		
HETX 298		
TEXTILES I: INTRODUCTION	3.0	
Intensive study of fibers, yarns, fabric constructions, and finishes related to consumer concerns for use, durability, care and cost. For students with a professional interest in textiles and clothing.		
HETX 320		
HISTORICAL ANALYSIS OF COSTUME	3.0	
The development of clothing; clothing usage in terms of social, economic and aesthetic backgrounds. Not open to freshmen.		
<i>Prerequisite: Sophomore standing.</i>		
HETX 325		
THE MARKETING OF FASHION	3.0	
Exploration of the fashion business with an emphasis on the marketing of apparel. Problems and trends at the wholesale and retail levels will be explored.		
<i>Prerequisite: Sophomore standing.</i>		

INFORMATION AND DECISION SCIENCES

SCHOOL OF BUSINESS

Chairperson: Richard Peterson

There are four major thrusts to the programs offered through this department: Management Information Systems, Office Systems Administration, Quantitative Methods, and Business Education.

Students in the Management Information Systems are provided with knowledge of the theoretical and practical aspects of information management for today's business environment. The department, utilizing the latest in both hardware and software, prepares students to be competitive in today's commercial global economy.

Those students concentrating in Office Systems Administration develop skills and competencies that prepare them for a broad spectrum of careers in the office setting. These careers are often related to areas such as information processing, microcomputer applications, media management, systems development and office administration.

Students in Quantitative Methods program receive training in analytical methods for solving operational research problems in industry. These methods, together with total quality management techniques and computer applications, are handled in depth to permit a student to become comfortable using modern statistical methods.

Students in the Business Education major follow a professional sequence qualifying them for New Jersey teacher certification in a variety of business subjects upon the satisfactory completion of the program and satisfactory achievement on The Praxis II examination. Three Business Education certification programs are available: Accounting and General Business Education; Comprehensive Business Education; and Secretarial and General Business Education. Documented work experience is required for all certifications. Individualized certification programs are also available to post-graduates who desire initial or additional certification in business education.

Business Teacher Education

Professional Sequence:

Teacher Education Collateral Courses:

	Semester Hours
CURR 200 Initial Field Experience	1
CURR 400 Teacher, School, and Society	3
CURR 410 Intermediate Field Experience in Education	1
READ 407 Reading: Theory and Process	3
OR	
READ 408 Reading: The Content Areas	3
CURR 409 Teaching for Critical Thinking	3
EDFD 220 Philosophical Orientation to Education	3
INFO 273 Introduction to Computers in Business	3
BSED 309 Personal Finance	3
MATH 109 Statistics	3
PSYC 101 General Psychology	3
PSYC 200 Educational Psychology	3
ECON 100 Introduction to Economics	3
And one of the following sequences:	
BSED 401 Principles and Methods Teaching General Business	2
BSED 402 Principles and Methods of Teaching Accounting	2
OR	
BSED 401 Principals and Methods Teaching General Business	2
BSED 403 Principles and Methods Teaching Stenography	1
BSED 404 Principles and Methods Teaching Keyboarding/Information .	
Processing	1

Also: Documentation of 400-800 hours of work experience or completion of a cooperative education experience.

Professional Semester:

Student Teaching Package	13
--------------------------------	----

(See section on Teacher Education Program)

Teacher Certification

Students pursuing certification must be accepted to the Teacher Education Program. They must follow the professional sequence outlined in this department. See the section entitled Teacher Education Program in this catalog.

Business Education Major

Certification Programs:

Accounting and General Business Education

Required Courses

	Semester Hours
BEOS 320 Administrative Business Communications	3
BSED 101 Contemporary Business	3
BSED 401 Principles and Methods Teaching General Business	2
BSED 402 Principles and Methods of Teaching Accounting	2
INFO 306 Information Systems and Applications	3
INFO 335 Computer Applications in Business	3
ACCT 201, 202 Fundamentals of Accounting I, II	3 ea.
ACCT 403 Tax Accounting	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINC 321 Fundamentals of Finance	3
MGMT 231 Management Processes	3
MGMT 439 Business Policy	3
MKTG 240 Introduction to Marketing	3

Comprehensive Business Education

Required Courses

	Semester Hours
BEOS 308 Principles of Office Management	
OR	
BEOS 321 Information and Media Management	3
BEOS 320 Administrative Business Communications	3
BSED 101 Contemporary Business	3
BSED 203 Electronic Document Production	1
BSED 303 Advanced Stenography and Transcription	2
BSED 401 Principals and Methods Teaching General Business	2
BSED 402 Principles and Methods of Teaching Accounting	2
BSED 403 Principles and Methods Teaching Stenography	1
BSED 404 Principles and Methods Teaching Keyboarding/Information .	
Processing	1
INFO 306 Information Systems and Applications	3
INFO 335 Computer Applications in Business	3
ACCT 201, 202 Fundamentals of Accounting I, II	3 ea.
ACCT 403 Tax Accounting	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINC 321 Fundamentals of Finance	3
MGMT 231 Management Processes	3
MGMT 439 Business Policy	3
MKTG 240 Introduction to Marketing	3

Secretarial and General Business Education

Required Courses

	Semester Hours
BEOS 308 Principles of Office Management	
OR	
BEOS 321 Information and Media Management	3
BEOS 320 Administrative Business Communications	3
BSED 101 Contemporary Business	3
BSED 203 Electronic Document Production	1
BSED 303 Advanced Stenography and Transcription	2
BSED 401 Principals and Methods Teaching General Business	2
BSED 403 Principles and Methods Teaching Stenography	1
BSED 404 Principles and Methods Teaching Keyboarding/Information .	
Processing	1
INFO 306 Information Systems and Applications	3
INFO 335 Computer Applications in Business	3
ACCT 201, 202 Fundamentals of Accounting I, II	3 ea.
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINC 321 Fundamentals of Finance	3
MGMT 231 Management Processes	3
MGMT 439 Business Policy	3
MKTG 240 Introduction to Marketing	3

Business Administration

Required Courses

		Semester Hours
ACCT	201 Fundamentals of Accounting I	3
ACCT	202 Fundamentals of Accounting II	3
BSLW	264 Legal, Ethical and Global Environment of Business	3
FINC	321 Fundamentals of Finance	3
FINQ	270 Statistics for Business	4
FINQ	375 Operations Analysis	3
INFO	371 Management Information Systems	3
MGMT	231 Management Processes	3
MGMT	439 Business Policy	3
MKTG	240 Introduction to Marketing	3
MKTG	346 Introduction to International Business	3

Collateral Courses

MATH	113 Mathematics for Business I	3
MATH	114 Mathematics for Business II	3
ECON	101 Principles of Economics: Macro	3
ECON	102 Principles of Economics: Micro	3
Two courses from two of the following departments:		
Anthropology, Psychology, Sociology		6

Management Information Systems Concentration

Required Courses

		Semester Hours
INFO	274 Business Computer Programming	3
INFO	335 Computer Applications in Business	3
INFO	373 Systems Analysis for Business	3
INFO	380 Computer Networks in Business	3
INFO	410 Database Development for Business	3
Select one from the following:		
CMPT	261 Business Data Processing with COBOL	3
INFO	306 Information Systems and Applications	3
INFO	374 Computer Management	3
INFO	488 Business Applications with Artificial Intelligent Systems	3
INFO	490 Decision Support Systems for Business	3
INFO	491 Independent Study in Information Systems	3
INFO	492 Special Topics in Informations Systems	3

Business Administration Electives

Select 9 semester hours from the appropriate list to be obtained from the department 9

Office Systems Administration Concentration

Required Courses

		Semester Hours
BEOS	320 Administrative Business Communications	3
BEOS	321 Information and Media Management	3
BEOS	430 Seminar in Office Systems Administration	3
INFO	306 Information Systems and Applications	3
INFO	335 Computer Applications in Business	3
Select one of the following:		
BEOS	308 Principles of Office Management	3
BEOS	411 Managing Automated Office Systems	3
MGMT	316 Human Resource Management	3
MGMT	317 Motivation and Leadership	3
MGMT	327 Training, Development, and Career Planning	3

Business Administration Electives

Select 9 semester hours from the appropriate list to be obtained from the department 9

Quantitative Methods Concentration

Required Courses

FINQ	372 Management Science	4
Select three from the following:		
FINQ	386 Logistics Systems	3
FINQ	474 Business Forecasting	3
FINQ	475 Quantitative Decision Making for Business	3
INFO	274 Business Computer Programming	3
INFO	374 Computer Management	3

Business Administration Electives

Select 14 semester hours from the appropriate list to be obtained from the department 14

Courses of Instruction

BEOS 230

INTRODUCTION TO BUSINESS WORK EXPERIENCE 3.0-6.0

This is an introductory cooperative education course which integrates formal classroom study and assignments with a supervised full-time or part-time off-campus employment experience. The purpose of this course is to develop self awareness and to explore educational and occupational alternatives.

Prerequisites: Sophomore level status (45+ semester hours completed) with a 2.25 minimum grade point average.

BEOS 308

PRINCIPLES OF OFFICE MANAGEMENT 3.0

A study of the most acceptable methods and practices of office administration. Topics include organization and planning of office systems, leadership and human relations, controlling operations and processing of information. Emphasis throughout the course will be on achieving satisfactory human relations and continuous cost reduction. This course counts as an elective within the business major for all concentrations in Business Administration.

Prerequisite: Business Administration or Business Education majors only.

BEOS 320

ADMINISTRATIVE BUSINESS COMMUNICATIONS 3.0

The study of communication processes using special problem applications with a theoretical and practical base. Writing proposals, business correspondence, business plans, and handling electronic messaging are covered. Emphasis is also on using presentation materials to complement interpersonal and organizational communication. This course counts as an elective within the business major for all concentrations in Business Administration.

Prerequisite: Business Administration or Business Education majors only.

BEOS 321

INFORMATION AND MEDIA MANAGEMENT 3.0

Includes study of the criteria and methods by which records are created, stored, retrieved, retained and disposed, as well as attention to study of the managerial considerations necessary for effective selection and utilization of equipment, procedures, and personnel. This course counts as an elective within the business major for all concentrations in Business Administration.

Prerequisite: Business Administration or Business Education majors only or approval of department chairperson.

BEOS 330

OFFICE SYSTEMS ADMINISTRATION PROFESSIONAL WORK EXPERIENCE PROGRAM 3.0-6.0

This is a cooperative education course specifically for office systems administration majors. Course is designed to integrate formal classroom study and assignments with supervised full-time off-campus employment. It has as its primary goals the development of occupational competencies and pre-professional training.

Prerequisites: Junior or senior status; a 2.45 grade point average; satisfactory completion of BEOS 230 or the equivalent of 6 months of verified full-time work experience; Office Systems Administration concentration declaration for one prior semester plus the completion of 6 semester hours from the Office Systems Administration core courses.

BEOS 411**MANAGING AUTOMATED OFFICE SYSTEMS 3.0**

Needed competencies for organizing and administering an automated office system will be emphasized. A systematic approach to designing implementing, controlling, and integrating electronic office systems will be stressed. Various configurations, available technology, and evaluating methods for assessing present and future systems will be investigated.

Prerequisites: INFO 306, and 335, and BEOS 321; Business Administration or Business Education majors only.

BEOS 430**SEMINAR IN OFFICE SYSTEMS ADMINISTRATION 3.0**

Current developments in office systems administration will be investigated by student research teams in contemporary administrative office environments. Emphasis will be on helping students develop investigative and analytical skills.

Prerequisites: INFO 306, and 335; and BEOS 321; Business Administration or Business Education majors only.

BSED 101**CONTEMPORARY BUSINESS 3.0**

The organization and operation of contemporary business are explored. Students study the operation of the free enterprise system, alternative economic systems, and the various functional areas of business: finance, management, production, and marketing. Meets the General Education Requirement—Social Science, Topic Course.

Prerequisite: Cannot be used for degree credit by Business Administration major with more than 64 credits completed toward degree.

BSED 103**INTRODUCTION TO KEYBOARDING AND WORD PROCESSING 3.0**

Introduction to Keyboarding and Word Processing is designed for those students who have had little or no previous keyboarding instruction on a computer. The course offers touch keying and skill building on the alphanumeric keyboard, as well as the development of competencies in composing and formatting documents with one of the latest word processing software packages.

BSED 200**PERSONAL FINANCE: COMPUTER APPLICATIONS 3.0**

This course is designed to allow students to apply personal finance concepts using Quicken software on the computer. Personal finance concepts and practices such as managing a checking account, credit account, cash account, maintaining home inventory, maintaining a personal balance sheet, income and expense record, tax records, estate planning, home mortgages, and using the INTERNET to facilitate processing of personal finance records are the major components of this course.

Prerequisite: Satisfactory completion of the GER in Computer Science.

BSED 203**ELECTRONIC DOCUMENT PRODUCTION 1.0**

Taken in conjunction with Principles and Methods of Teaching Keyboarding/Information Processing. Focusing on the technicalities of document formatting with vocational competency.

Prerequisite: Minimum 45 words per minute proficiency; admission to the Teacher Education program.

Corequisite: BSED 404.

BSED 303**ADVANCED STENOGRAPHY AND TRANSCRIPTION 2.0**

Taken in conjunction with Principles and Methods of Teaching Stenography. The transcription of shorthand notes into typewritten copy. Sentence structure, correct grammar, spelling and good typewriting techniques: increasing dictation speed for new material as the course progresses.

Prerequisite: Shorthand proficiency required; admission to the Teacher Education program.

Corequisite: BSED 403.

BSED 309**PERSONAL FINANCE 3.0**

The role of the consumer in the economy is studied by emphasizing how government and business policies, laws, and practices affect the consumer and his standard of living. Government regulatory laws and regulations, government policies on the control of money and inflation and how they affect the consumers are discussed. Business and labor policies and practices are emphasized in the areas of credit, savings, and housing. Meets the General Education Requirement—Electives, Personal/Professional Issues.

BSED 390**BUSINESS INDEPENDENT STUDY I 1.0-3.0**

Each student, under the guidance of a faculty sponsor, conducts an in-depth study of a current problem in the business education field and presents a written report of the findings. Admission by application submitted to the department chairperson.

Prerequisite: Departmental approval.

BSED 391**BUSINESS INDEPENDENT STUDY II 1.0-3.0**

Each student, under the guidance of a faculty sponsor, is to conduct an in-depth study of a current problem in the business field. A written report of the findings of the study is to be presented. Admission is by application submitted to the department chairperson.

Prerequisite: Departmental approval.

BSED 401**PRINCIPLES AND METHODS OF TEACHING GENERAL BUSINESS 2.0**

The methodology of teaching social business subjects, including general business, business law and consumer education. Content, lesson planning, visual aids and evaluation procedures.

Prerequisites: 9 credits of general business courses; admission to Teacher Education program.

BSED 402**PRINCIPLES AND METHODS OF TEACHING ACCOUNTING 2.0**

The history and development of accounting instruction and materials, aims and objectives in light of current trends. Textbook selection, lesson planning, classroom procedures, tests and measurements, audio-visual and other teaching aids. A test of subject matter competency is required.

Prerequisite: 9 credits of accounting; admission to Teacher Education program.

BSED 403**PRINCIPLES AND METHODS OF TEACHING STENOGRAPHY 1.0**

Complements BSED 303 and is designed to prepare secretarial teachers for the teaching of stenography and transcription. Comprehensive coverage of the material and methods for teaching stenography.

Prerequisite: Shorthand proficiency required; admission to Teacher Education program.

BSED 404**PRINCIPLES AND METHODS OF TEACHING KEYBOARDING/INFORMATION PROCESSING 1.0**

Principles and Methods of Teaching Keyboarding/Information Processing is taken concurrently with BSED 203 and covers strategies of teaching touch keyboarding and word processing applications. Emphasis is on the psychology of skill development as it applies in the computer environment.

Prerequisites: Minimum 45 words per minute proficiency; admission to Teacher Education program.

Corequisite: BSED 203.

BSED 409**BUSINESS EDUCATION PROFESSIONAL SEMINAR 1.0**

Provides a forum for dialogue on problems and concerns in achieving effectiveness on the student teaching experience and subsequent related business education teaching.

Prerequisites: All principles and methods teaching courses as required by specific programs; BSED 401; if applicable BSED 402, 403, 404; admission to Teacher Education program.

Corequisites: CURR 402, and 411, and 435.

FINQ 270
STATISTICS FOR BUSINESS 4.0
 The comprehension and the application of modern statistical methods. Topics covered include: probability theory, descriptive statistics, interval estimation, sampling theory, parametric and non-parametric tests of significance, analysis of variance, correlation and regression analysis and time series analysis. Cross listed with Mathematical Sciences, MATH 270.
Prerequisites: MATH 113 and 114

FINQ 315
PRODUCTION AND INDUSTRIAL ANALYSIS 3.0
 This course is mainly designed to expose students to production aspects of industries. It will develop theories and applications in the areas of location of facilities, capacity planning, facilities design and layout, designing assembly line production systems, facilities maintenance and materials handling, purchasing, inventory control systems, forecasting demand for products, master scheduling and MRP, scheduling and control systems, and quality and statistical quality control.
Prerequisites: FINQ 270, or INFO 271, and MGMT 231, Business Administration majors.

FINQ 350
QUALITY IMPROVEMENT 3.0
 A comprehensive approach to quality in organizations is essential to maintaining competitive position. This course explores current thinking as well as the tools and techniques necessary to implement quality programs.
Prerequisites: FINQ 270, or INFO 271; Business Administration majors.

FINQ 372
MANAGEMENT SCIENCE 4.0
 Applied mathematical techniques used to solve a wide variety of problems with special attention to issues, management and production control. Topics include linear programming, transportation and assignment algorithms, pert, inventory models, decision theory, Markov models, queuing theory and simulation.
Prerequisites: FINQ 270, or INFO 271, and MGMT 231; Business Administration majors.

FINQ 375
OPERATIONS ANALYSIS 3.0
 Mathematical and statistical methods in the analysis of specific business systems and industrial production activities, inventory control, production planning and scheduling, and capital management. Computers are used to solve problems involving complex systems.
Prerequisite: FINQ 270 or INFO 271; Business Administration majors.

FINQ 386
LOGISTIC SYSTEMS 3.0
 The logistics sub-system in the economy and the firm; definitive methods of attacking logistics problems. Relationships among logistics components (transportation, materials handling, warehousing, packaging, inventory holding and location theory), and the inter-face of logistics activities and other functional areas of business.
Prerequisites: MGMT 231 and MKTG 240; Business Administration majors.

FINQ 463
ADMINISTRATIVE RESEARCH METHODOLOGY AND ANALYSIS 3.0
 Scientific investigations into business problems, evaluation of data sources, research methods, statistical techniques, analysis and interpretation of data. Individual and team investigation and reporting on current problems.
Prerequisite: FINQ 270 or INFO 271; senior standing; Business Administration majors.

FINQ 474
BUSINESS FORECASTING 3.0
 Mathematical and econometric models for short- and long-range business forecasting. Models are evaluated for accuracy and relevance. The computer is used as a tool in developing an automated system.
Prerequisite: FINQ 270 or INFO 271; Business Administration majors.

FINQ 475
QUANTITATIVE DECISION-MAKING FOR BUSINESS 3.0
 Decision-making under conditions of certainty, risk, uncertainty, conflict and competition. The theoretical basis for management decisions and elements of the process. The theory of games and the use of simulation as applied to typical managerial problems.
Prerequisites: MGMT 231, and MKTG 240, and FINQ 270 or INFO 271; Business Administration majors.

INFO 271
MANAGERIAL STATISTICS 3.0
 Analytic statistics which focuses on tools and methods for improving quality. Topics include Demings's fourteen points, descriptive statistics, summary statistical measures, probability and probability distributions, control charts, regression and design of experiments.
Prerequisites: MATH 113 and 114.

INFO 273
INTRODUCTION TO COMPUTERS IN BUSINESS 3.0
 An introduction to the use of information systems in business. Topics that will be covered include computer hardware and software, systems analysis, management information systems, data communications and application development. Students will be introduced to business software packages which will include database management, spreadsheeting and business word processing.

INFO 274
BUSINESS COMPUTER PROGRAMMING 3.0
 Problem-oriented programming languages are studied. Business applications will be programmed in FORTRAN and COBOL. Such programs will be debugged via the computer. This is an introductory programming course. The students will learn the basic programming techniques in problem solving using Visual Basic.

INFO 306
INFORMATION SYSTEMS AND APPLICATIONS 3.0
 Designed to increase awareness of emerging technologies in telecommunication networks and presentation graphics within a global business environment. Emphasis is on emerging technologies, computer-generated business presentations, and state-of-the-art desktop publishing document production. Students access international information highways through VAX networks and internet for electronic mail and interrogation of worldwide databases. Oral and written presentation skills are developed by reporting results of research through PowerPoint and PageMaker. No previous knowledge of these programs is required. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: INFO 273 or CMPT 109; Business Administration or Business Education major.

INFO 335
COMPUTER APPLICATIONS IN BUSINESS 3.0
 A course designed to prepare students to make decisions in the selection and utilization of microcomputer systems and appropriate software for a business environment based on identified needs; the factors to consider in the implementation of microcomputers at different levels of an organization; and the characteristics of specific software applications used in the business environment. The course also provides students with hands-on experience with commercial software packages. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: INFO 273 or CMPT 109; Business Administration or Business Education major.

INFO 371
MANAGEMENT INFORMATION SYSTEMS 3.0
 Total information systems from the perspective of organizations. Information from the management point of view; its needs, cost and value. Definition and analysis in the solution of systems problems. The computer as a tool of processing accounting, marketing and financial information for decision-making and policy-setting. (Field work).
Prerequisites: ACCT 202, and MGMT 231, and INFO 273 or CMPT 109, Business Administration or Business Education major.

INFO 373
SYSTEMS ANALYSIS FOR BUSINESS 3.0
 The course will cover the following topics from the Management Information systems perspective: systems development life cycle; systems analysis - concepts; systems analysis - tools; systems design - tools; role of the analyst; data modeling; systems modeling/prototyping; logical data flows.
Prerequisites: INFO 371; Business Administration major.

INFO 374
COMPUTER MANAGEMENT 3.0
 Optimum selection of computer hardware, software and operating systems among various alternatives, from a cost effectiveness point of view.
Prerequisite: INFO 371; Business Administration majors.

INFO 380**COMPUTER NETWORKS IN BUSINESS****3.0**

An introduction to data communication, network design, and distributed information systems. The concepts essential to the design and applications of both communication hardware and software are examined. Emphasis is on the analysis and design of networking applications in business. Management of networks, cost-benefit analysis and evaluation of connectivity options are also covered.

Prerequisite: INFO 371; Business Administration major.

INFO 410**DATABASE DEVELOPMENT****3.0**

This course provides students an opportunity to examine various issues in all phases of database development, including requirement analysis and data modeling, logical design and physical design, data integrity control, SQL, system management and maintenance. Both structured approach and object-oriented approach are also covered.

Prerequisite: INFO 373; Business Administration major.

INFO 470**ELECTRONIC COMMERCE: CREATING BUSINESS VALUE USING INFORMATION TECHNOLOGY****3.0**

This course is designed to provide the student an understanding of the consequences of the introduction of the Internet and the World Wide Web in the way business is conducted. The electronic commerce world is viewed primarily from the point-of-view of MIS. That is, the managerial issues related to the information infrastructure requirements are mainly attended to. Both individuals and organizations have been profoundly affected by related network technologies that have since permutated in form ever since the convergence of advanced communications and information infrastructure and the cable, telephone, television, and telecommunications industries. The student will learn about new forms of business practices in business-to-business, consumer-to-business, and intraorganizational transactions. Specifically, activities in the areas of electronic shopping, publishing, distribution, and collaboration will be explored. The following issues that have arisen as a result of electronic commerce (EC) will be explored: security, authentication, privacy, data encryption, intellectual property rights, freedom of expression using electronic media, fair use policies, legal liabilities, etc. Students will also learn about new organizational forms such as the "virtual" firm that are emerging as a result of EC.

INFO 488**BUSINESS APPLICATION WITH ARTIFICIAL INTELLIGENT (AI) SYSTEMS****3.0**

The course will cover the following topics: knowledge acquisition techniques, knowledge representation, inferencing, case-based reasoning, industrial application, uncertainty issues.

Prerequisite: INFO 371; Business Administration major.

INFO 490**DECISION SUPPORT SYSTEMS FOR BUSINESS****3.0**

The course will cover the following topics: decision types and model heuristics in decision making, the role of data and its collection, group decision making, design of DSS and GDSS, neural computing/learning, uncertainty issues.

Prerequisite: INFO 371; Business Administration major.

INFO 491**INDEPENDENT STUDY IN INFORMATION SYSTEMS****3.0**

A student, under the guidance of a faculty advisor, will conduct an in-depth study on a current topic in information systems. A project report or a research paper will be produced after this study.

Prerequisite: Departmental approval.

INFO 492**SPECIAL TOPICS IN INFORMATION PROCESSING****3.0**

This course covers the topics in the design, implementation, and applications of information systems. The topics also include various information technologies and their applications. The course may be repeated for credit as long as the "special topic" in each course differs from topics previously taken.

Prerequisite: Departmental approval.

JUSTICE STUDIES MAJOR

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Academic Director: David J. Dodd

Administrative Director: Marilyn R. Tayler

Admissions Director: Robert D. McCormick

The Justice Studies major at Montclair State University approaches issues of justice from a multidisciplinary vantage point that incorporates Psychology, Sociology, and Legal Studies. The program prepares students for employment in settings such as the criminal justice system, social service agencies, law enforcement, the court system, educational settings, law offices, corporations, and federal or state agencies.

The major provides:

- a comprehensive grounding in the social, cultural, and political issues relevant to an understanding of the justice system in the United States;
- the ability to apply theoretical perspectives to issues in Justice Studies;
- an empirical approach to questions about Justice Studies;
- an appreciation of ethical issues relating to Justice Studies;
- competencies in knowledge, methods, and applications needed for careers and professional development in these areas;
- and field work experience in occupational settings such as child advocacy organizations, law offices, criminal justice agencies, private industry, and the public sector.

The 39 to 41 credit multidisciplinary Justice Studies major consists of a required 15-16 credit core emphasizing the theoretical and applied aspects which are essential background knowledge for all students in the program. The courses in the common core combine a liberal arts approach with a grounding in the theories and methods of the major disciplines involved. The core is enhanced by a required 24-25 credit applied concentration in one of three areas: Child Advocacy, Justice Systems, or Paralegal Studies. Within the concentrations, students may select informal grouping of courses called "Optional Areas of Emphasis". A student is not required to take these and they are not formally recorded on transcripts.

The Child Advocacy Concentration, unique in New Jersey and the region emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. It includes optional areas of emphasis in Racial/Ethnic Perspectives and Juvenile Justice. The concentration advisor is Dr. Robert D. McCormick.

The Justice Systems Concentration focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. It includes optional areas of emphasis in the Criminal Justice System, Juvenile Justice, and Empirical Perspectives in Justice Systems. The Criminal Justice System optional area of emphasis meets and exceeds the minimum standards for Criminal Justice Education set by the Northeastern Association of Criminal Justice Sciences. The concentration advisor is Dr. David J. Dodd.

The Paralegal Studies Concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. The concentration advisor is Dr. Marilyn R. Tayler.

The Justice Studies major is a program available to both day and evening students.

Justice Studies Major

Semester Hours

Required Common Core: 15-16 semester hours

JUST 200	Perspectives on Justice Studies I	3
JUST 201	Perspectives on Justice Studies II	3
JUST 221	Research in Justice Studies: Social Science Perspectives	3
JUST 312	Research in Justice Studies: Legal Perspectives	3
JUST 497	Senior Seminar and Field Experience in Justice Studies (Externship)	3
	or	
JUST 498	Senior Seminar and Field Experience in Justice Studies (Cooperative Education)	4

Child Advocacy Concentration: 24 semester hours

I. Additional Required Courses: 12 credits

PSYC 201	Child Psychology	3
PSYC 224	Children's Rights and Child Advocacy	3
PSYC 330	Forensic Psychology	3
PSYC 430	Contemporary Issues in Child Advocacy	3

II. Choice of 4 courses from among the following: 12 semester hours. Students must include at least one Legal Studies or Sociology course from the courses listed below. Note: References in parenthesis are to courses included in optional areas of emphasis:

- (1) Racial/Ethnic Perspectives
- (2) Juvenile Justice

A. Students must include at least two courses from this group:

PCOM 245	Introduction to Community Psychology	3
PSYC 202	Adolescent Psychology (2)	3
PSYC 231	Psychology of Aggression	3
PSYC 245	Mental Health Issues of Hispanic Americans	3
PSYC 246	Psychology of the Black Experience (1) or	
PSYC 248	Psychology and Law	3
SOCI 205	Black Family (1) (2)	3

B. Students may include up to two courses from this group:

JUST 499	Selected Topics in Justice Studies	3
LSLW 315	The Mediation Process and Its Applications	3
LSPR 330	Family Law	3
POLS 304	State and Local Government	3
PSYC 265	Psychology of Women	3
SOCI 204	Sociology of the Family (2)	3
SOCI 209	Sociology of Poverty and Welfare	3
SOCI 322	Juvenile Delinquency and Juvenile Justice (2)	3

C. With departmental permission, seniors may substitute up to two courses at the 500 level.

Optional Areas of Emphasis:

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office.

For the optional areas of emphasis, two of the following must be chosen as Group II courses: 6 semester hours. Additionally, the required Senior Seminar and Field Experience course will focus upon this area of emphasis.

1. Racial/Ethnic Perspectives

PSYC 246	Psychology of the Black Experience	3
	OR	
SOCI 205	Black Family	3
PSYC 245	Mental Health Issues of Hispanic Americans	3

2. Juvenile Justice

SOCI 322	Juvenile Delinquency and Juvenile Justice	3
PSYC 202	Adolescent Psychology	3
SOCI 204	Sociology of the Family	3
	OR	
SOCI 205	The Black Family	3

Total semester hours for Justice Studies major with concentration in Child Advocacy 39-40

Justice Systems Concentration: 25 semester hours

Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Justice Systems concentration may take any minor except Criminal Justice.

I. Additional Required Courses: 7 semester hours

SOCI 232	Introduction to Criminal Justice	3
JUST 240	Statistics for Social Research	4

II. Choice of 6 courses from among the following: 18 semester hours.

Students must include at least one Legal Studies or Psychology course from the courses listed below. Note: References in parenthesis are to courses included in optional areas of emphasis:

- (1) The Criminal Justice system
- (2) Juvenile Justice
- (3) Empirical Perspectives in Justice Systems

A. Students must include one course from this group:

SOCI 238	Research Methods in Criminal Justice (3)	3
SOCI 405	Deviance and Social Control	3
SOCI 420	Sociology of Law	3
LSLW 360	Rights, Liberties, and American Justice	3

B. Students must include one course from this group:

SOCI 202	Racial and Ethnic Relations	3
SOCI 315	Social Stratification	3
SOCI 430	Sociology of Gender	3

C. Students must include three courses from this group:

SOCI 101	Criminology (1)	3
SOCI 203	Sociology of Organized Crime	3
SOCI 321	White Collar Crime	3
SOCI 322	Juvenile Delinquency and Juvenile Justice (1)(2)	3
SOCI 325	The Sociology of Police (1)	3
SOCI 351	Juries and Justice	3
SOCI 353	Sociology of Corrections (1)	3
POLS 304	State and Local Government (2)	3
PSYC 224	Children's Rights and Child Advocacy (2)	3
JUST 499	Selected Topics in Justice Studies	3

D. Students must include one course from this group:

SOCI 204	Sociology of the Family (2)	3
SOCI 205	Black Family (2)	3
SOCI 230	Sociology of Conflict and Violence	3
OR		
ANTH 230	Anthropology of Conflict and Violence	3
SOCI 414	Selected Topics in Applied Sociology	3
SOCI 416	Qualitative Research in Sociology (3)	3
LSPR 301	Criminal Law and Procedure (1)	3
OR		
POLS 321	Law in Society: Criminal Law	3
LSLW 315	The Mediation Process and Its Application	3
LSPR 317	Evidence	3
PSYC 202	Adolescent Psychology (2)	3
PSYC 246	Psychology of the Black Experience	3
PSYC 248	Psychology and Law	3
PSYC 330	Forensic Psychology	3
PHIL 206	Philosophical Issues in Law and Justice	3
POLS 324	American Public Policy (3)	3

E. With departmental permission, seniors may substitute up to two courses at the 500 level.

Optional Areas of Emphasis:

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office.

Optional areas of emphasis require two to five of the following to be chosen as Group II courses: 15 semester hours. Additionally, the required Senior Seminar and Field Experience course will focus upon this area of emphasis.

1. The Criminal Justice System (15 semester hours)

Students planning to pursue careers or graduate education in Criminal Justice must complete the following courses:

SOCI 101	Criminology	3
SOCI 353	Sociology of Corrections	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 325	The Sociology of Police	3
LSPR 301	Criminal Law and Procedure	3

2. Juvenile Justice (6 semester hours)

SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 204	Sociology of the Family	3
OR		
SOCI 205	Black Family	3
PSYC 202	Adolescent Psychology	3
PSYC 224	Children's Rights and Child Advocacy	3
POLS 304	State and Local Government	3

3. Empirical Perspectives in Justice Systems (6 semester hours)

SOCI 238	Research Methods in Criminal Justice	3
SOCI 416	Qualitative Research in Sociology	3
POLS 324	American Public Policy	3

Total semester hours for Justice Studies major with concentration in Criminal Justice: 40-41

Paralegal Studies Concentration: 24 semester hours

Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Paralegal Studies concentration may take any minor except Paralegal Studies.

I. Additional Required Courses: 9 semester hours

LSPR 210	Law and Litigation	3
LSPR 339	Computer Applications in the Legal Environment	3
LSPR 362	Legal Writing	3

II. Choice of 5 courses from among the following: 15 semester hours.

Students must include at least one Psychology or Sociology course from the courses listed below. Note: References in parenthesis are to courses included in optional areas of emphasis:

- (1) Legal Information and Technology
- (2) Patent, Trademark and Copyright Law
- (3) Hispanic Perspectives

A. Students must include at least one course from this group:

LSPR 304	Real Estate Law	3
LSPR 306	Contract Law for Paralegals	3
LSPR 310	Fundamentals of Patent, Trademark, and Copyright Law (2)	3
LSPR 322	Wills, Trusts, and Probate Law	3
LSPR 330	Family Law	3
LSPR 336	Corporations and Partnerships	3

B. Students may include up to two courses from this group:

LSPR 301	Criminal Law and Procedure	3
LSPR 317	Evidence	3
LSPR 305	Immigration Law	3
LSPR 308	Negotiation, Mediation and Arbitration	3
LSPR 332	Personal Injury Law	3
LSPR 411	Advanced Patent, Trademark, and Copyright Law (2)	3
LSPR 420	Advanced Civil Litigation	3
LSPR 441	Advanced Computer Systems in the Legal Environment (1)	3
LSPR 438	Trademark Law	3
LSPR 450	Law Office Management and Technology (1)	3
LSPR 460	Advanced Legal Research and Writing	3
LSPR 499	Selected Topics in Paralegal Studies	3

C. Students may include up to two courses from this group:

BSLW 261	Legal Environment of Business I (precludes LSPR 306 major credit)	3
JUST 499	Selected Topics in Justice Studies	3
LSLW 315	The Mediation Process and Its Applications (precludes LSPR 308 major credit)	3
LSLW 360	Rights, Liberties, and American Justice	3
LSLW 388	Trial Techniques and Strategies	3
LSLW 391	Women and the Law	3
LSPR 316	Skills for Bilingual Legal Personnel (3)	3
PHIL/LSLW 324	Legal Reasoning	3
POLS 304	State and Local Government (2)	3
PSYC 224	Children's Rights and Child Advocacy (2)	3
PSYC 330	Forensic Psychology	3
PCOM 245	Introduction to Community Psychology (3)	3
SOCI 202	Racial and Ethnic Relations (3)	3
SOCI 232	Introduction to Criminal Justice	3
JUST 240	Statistics for Social Research	3

D. With departmental permission, seniors may substitute up to two courses at the 500 level.

Optional Areas of Emphasis:

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office.

For the optional areas of emphasis, two of the following must be chosen as Group II courses: 6 semester hours. Additionally, the required Senior Seminar and Field Experience course will focus upon this area of emphasis.

1. Legal Information and Technology	
LSPR 441	Advanced Computer Systems in the Legal Environment 3
LSPR 450	Law Office Management and Technology 3

2. Patent, Trademark, and Copyright Law	
LSPR 310	Fundamentals of Patent, Trademark, and Copyright Law 3
LSPR 411	Advanced Patent, Trademark, and Copyright Law 3

3. Hispanic Perspectives (Fluency in Spanish required)	
Required course:	
LSPR 316	Skills for Bilingual Legal Personnel 3
Students also will select one of the following courses:	
SOCI 202	Racial and Ethnic Relations 3
PCOM 245	Introduction to Community Psychology 3
PSYC 245	Mental Health Issues of Hispanic Americans 3

Total semester hours for Justice Studies major with concentration in Paralegal Studies 39-40

Courses of Instruction

JUST 200		
PERSPECTIVES ON JUSTICE STUDIES I		3.0
An examination of issues, justice, and advocacy from the multidisciplinary perspectives of Legal Studies, Psychology, and Sociology. An exploration and analysis of the legal system with emphasis upon the rights and liberties of the individual as well as alternative forms of dispute resolution. Social behavior, group processes and individual differences. Controversies surrounding justice and injustice including the potential for differential treatment based upon race, gender, age, sexual orientation, and physical ability.		

JUST 201		
PERSPECTIVES ON JUSTICE STUDIES II		3.0
Experiential study of (1) the judicial process; (2) work roles and careers; (3) institutions; and (4) related issues such as children's rights and dispute resolution within the criminal justice system. Emphasis on the relationship of theory to practice and on the contexts in which tasks are accomplished and roles are performed. Classroom issues are viewed from a real world perspective through field trips, site visits, supervised observations and field work, and integrated through journals, discussions and research. <i>Prerequisite: JUST 200.</i>		

JUST 221		
RESEARCH IN JUSTICE STUDIES: SOCIAL SCIENCE PERSPECTIVES		3
Introduction to the principles of empirical research and their application in the law and justice system. Examination of sampling, experimental methods, survey methods, and qualitative fieldwork and study of strengths and weaknesses of these methods. Attention to methods for program, family, and individual evaluation. A critical approach to understanding and using "facts" about levels of adult and juvenile crime, causes of crime, public perceptions of crime and punishment, victimization, policing, the courts, and corrections. <i>Prerequisite: Not open to freshmen.</i>		

JUST 240		
STATISTICS FOR SOCIAL RESEARCH		4.0
the use of statistics to summarize data, to show relationships among variables. Evaluating research reports based on statistics. Use of the computer to analyze data. Cross listed with Sociology, SOCI 240.		

JUST 312		
RESEARCH IN JUSTICE STUDIES: LEGAL PERSPECTIVES		3.0
Study of principles, methods and applications of legal research. Exploration of sources of law including case law, statutory law and administrative regulations. The use of a law library. Familiarization with computer-assisted legal research. Cross listed with Legal Studies, LSPR 312. <i>Prerequisite: Not open to freshmen.</i>		

JUST 496		
PEER MENTORING FOR JUSTICE STUDIES		3.0
Advanced students serve as peer mentors in Justice Studies working with faculty and students to promote academic excellence and positive student culture. They will also solidify knowledge and gain organizational and leadership experience. This course may be repeated once for credit. <i>Prerequisites: Junior or senior status and departmental permission; Justice Studies majors only.</i>		

JUST 497		
SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (EXTERNSHIP)		3.0
Research project and/or field experience with required classroom seminar. May be repeated once for students who choose a second concentration. <i>Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312; a minimum grade of C- is required in JUST 221 and JUST 312.</i>		

JUST 498		
SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (COOPERATIVE EDUCATION)		3.0
Academic study integrated with supervised paid employment. Research project and/or field experience with required classroom seminar. May be repeated once for students who choose a second concentration. <i>Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312; a minimum grade of C- is required in JUST 221 and JUST 312.</i>		

JUST 499		
SELECTED TOPICS IN JUSTICE STUDIES		3.0
Exploration of a timely and significant area of Justice Studies. The specific topic will be announced each time that the course is offered.		

LEGAL STUDIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Norma Connolly (Acting)

The Legal Studies Department at Montclair State University is committed to teaching students about law within the context of a quality liberal arts education. Our mission is to prepare our students for the highly competitive world of law by exposing them to the aspects of critical thinking and analysis, theoretical considerations and practical applications, conflict management, research and writing, and the technological preparedness necessary for those engaging in both the study and practice of law.

We accomplish this mission on several levels. Through general education courses, we teach students to be consumers of law. Through undergraduate programs, we prepare students for a variety of law-related careers through rigorous courses of study which accentuate the interdisciplinary nature of law and provide a sound theoretical foundation as applied in legal settings.

The Department of Legal Studies affords Montclair State students the possibilities of an applied career in law as a paralegal or Pre-Law preparation for a career as an attorney. Both the Paralegal and Pre-Law Programs are minors which may be combined with many diverse majors on campus. The Paralegal Studies program is also offered as a concentration within the Justice Studies Program. A Paralegal Studies Certificate is offered as an entry level paralegal program for post-baccalaureate students. A Master of Arts in Legal Studies is offered as a career enhancement degree for non-lawyer professionals in the legal field.

As University Pre-Law Advisor, Dr. Marilyn Tayler provides Pre-Law students with information and guidance on the law school admissions process and planning an appropriate course of study. Dr. Regina Judge and Dr. Lenore Molee serve as academic and career advisors for undergraduate students in the Paralegal Studies Program. Dr. Jack LeClair serves as department Pre-Law advisor for Paralegal students.

PARALEGAL STUDIES PROGRAM

(24 semester hours)

The Paralegal Studies Program offers the student a balanced and varied background in theoretical and practical aspects of law which are necessary for work as a legal assistant. The program develops intellectual and analytical skills, educates students for direct employment opportunities in the legal assistant field, and provides additional career possibilities in combination with a student's major.

The Montclair State University Paralegal Studies Program is the first and only program at a New Jersey state college or university to receive American Bar Association approval. A Certificate of Completion is awarded to all students who meet program standards, fulfill the 24 credit hours required in the Program, and complete a Bachelor's Degree. For undergraduate students, this is an academic minor or a concentration within the Justice Studies major. For Post-Baccalaureate students, it is a certificate program.

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded on transcripts. In Paralegal Studies, optional areas of emphasis are Hispanic Perspectives, Legal Information and Technology, and Patent, Trademark, and Copyright Law.

Paralegal Studies Minor

Semester Hours

- I. Required Courses 9
 - LSPR 210 Law and Litigation 3
 - LSPR 312 Foundations of Legal Research 3
 - LSPR 362 Legal Writing 3
- II. Choice of 4 of the following 9
 - A. Students must include at least one course from the following:
 - LSPR 304 Real Estate Law 3
 - LSPR 306 Contract Law for Paralegals 3
 - LSPR 322 Wills, Trusts, and Probate Law 3
 - LSPR 330 Domestic Relations Law 3
 - LSPR 336 Corporations and Partnerships 3
 - B. Students may include up to three courses from the following:
 - LSPR 301 Criminal Law and Procedure 3
 - LSPR 305 Immigration Law 3
 - LSPR 308 Negotiation, Mediation and Arbitration 3
 - LSPR 310 Fundamentals of Patent, Trademark and Copyright Law 3
 - LSPR 332 Personal Injury Law 3
 - LSPR 339 Computer Applications in the Legal Environment 3
 - LSPR 411 Advanced Patent, Trademark and Copyright Law 3
 - LSPR 420 Advanced Civil Litigation 3
 - LSPR 438 Trademark Law 3
 - LSPR 441 Advanced Computer Applications in the Legal Environment 3
 - LSPR 450 Law Office Management and Technology 3
 - LSPR 460 Advanced Legal Research and Writing 3
 - LSPR 499 Selected Topics in Paralegal Studies 3
 - C. Students may include one law-related course from the following:
 - BSLW 261 Legal Environment of Business I (instead of LSPR 306) 3
 - LSLW 388 Trial Techniques and Strategies 3
 - LSPR 316 Skills for Bilingual Legal Personnel (fluency in Spanish required) 3
 - POLS 321 Law in Society: Criminal Law (instead of LSPR 301) 3
 - D. With departmental permission, seniors and post-baccalaureate students who meet all prerequisites, may include up to two courses at the 500 level from the Legal Studies Department.

- III. LSPR 497 Paralegal Seminar and Internship 3
OR
LSPR 498 Cooperative Education: Paralegal Studies 4 or 8

Total Semester Hours for the Program 24-25

Optional Areas of Emphasis

By advisement, a student may focus upon optional areas of emphasis in the selection of Group II courses. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office. The required Paralegal Seminar and Internship course will focus upon the student's area of emphasis

1. **Legal Information and Technology**
(LSPR 330, LSPR 441, and LSPR 450)
2. **Patent, Trademark, and Copyright Law**
(LSPR 310, LSPR 411, and LSPR 450)
3. **Hispanic Perspectives (Fluency in Spanish required)**
(LSPR 316, and PSYC 245 or PCOM 245 or SOCI 202)

PRE-LAW STUDIES PROGRAM (21 semester hours)

The Pre-Law Studies Minor at Montclair State University is designed to enhance the preparation of students planning to seek admission to law school by promoting the development of abilities which are considered to be particularly important in the study and practice of law: to reason logically, to analyze complex ideas involving intricate interrelationships, to read with understanding and accuracy, and to write with clarity and precision. Pre-Law Studies is an interdisciplinary program emphasizing critical reasoning, writing and analytical skills. The program offers students a balanced and varied background, enriching the student's academic major, in the acquisition of skills essential for success in the field of law.

Pre-Law Studies Minor

Required Courses: (9 credits)

LSLW 200	Introduction to Law	3
LSPR 312	Foundations of Legal Research	3
LSPR 362	Legal Writing	3

Essential Skills: (9 credits)

ENWR 205	Creative Nonfiction	3
OR		
ENWR 204	Advanced Expository Writing	3
GNHU 182	English Vocabulary: Classical Roots	3
LNGN 250	Language of Propaganda	3
OR		
LNGN 290	Language of the Law (Cross listed with LSPA 290)	3
LSPR 210	Law and Litigation	3
MATH 109	Statistics	3
OR		
MATH 270	Statistics for Business	3
OR		
FINQ 270	Statistics for Business	3
PHIL 106	Logic	3
PHIL 264	Critical Reasoning and Argument	3
PHIL 324	Legal Reasoning (Cross listed with LSLW 324)	3
SPCM 234	Public Speaking	3
SPCM 438	Principles of Persuasion	3

Background Courses: (6 credits)

ACCT 201	Fundamentals of Accounting I	3
OR		
BSED 101	Contemporary Business	3
OR		
ECON 101	Principles of Economics: Macro	3
HIST 117	History of the United States to 1876	3
OR		
HIST 118	History of the United States since 1876	3
LSLW 220	Conflict and Its Resolution	3
OR		
LSPR 315	The Mediation Process and Its Applications	3
OR		
LSLW 499	Selected Topics In Law†	3
OR		
LSLW 388	Trial Techniques and Strategies	3
LSLW 391	Women and the Law	3
PHIL 212	Social and Political Philosophy	3
OR		
PHIL 310	Knowledge, Belief and Truth	3
POLS 101	American Government and Politics	3
OR		
POLS 322	American Constitutional Law: The Federal System	3
OR		
POLS 323	American Constitutional Law: Civil Rights and Liberties	3

Total Semester Hours For The Program24

† LSLW 497 *Pre-Law Seminar and Internship* or LSLW 498 *Cooperative Education: Pre-Law Studies* may be substituted. LSLW 200, LSPR 312 and LSPR 362 are prerequisites. 2.75 grade point average. Open only to juniors and seniors.

Note: Courses in the Pre-Law Studies Minor may also be counted toward the General Education Requirement (GER) where appropriate.

For further information see the Legal Studies Web Page at: <http://www.chss.montclair.edu/legalstudies>

JUSTICE STUDIES MAJOR, PARALEGAL STUDIES CONCENTRATION

The Legal Studies Department, along with the departments of Psychology and Sociology, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Paralegal Studies. The Paralegal Studies concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Paralegal Studies concentration may take any minor except Paralegal Studies. Dr. Marilyn R. Tayler serves as advisor for the Paralegal Studies concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

LSLW 200
INTRODUCTION TO LAW 3.0
An introduction to the meaning and functions of law and the powers of the courts. Overview of the legal system and exploration of its roles within our society. Survey and critical analysis of traditional and evolving areas of law. Meets the General Education Requirement - Social Science, Survey Course.

LSLW 220
CONFLICT AND ITS RESOLUTION 3.0
A study of conflict, its management and resolution. Exploration of conflict management skills, negotiation and mediation. Considerations of culture, gender, race, and age in resolving conflicts. Current developments and practical applications such as peer mediation, negotiation in the workplace, and dispute resolution in the court system. Students may take LSLW 220 or LSPR 308 but not both courses. Students in the Paralegal Studies minor should take LSPR 308. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement.

LSLW 315
THE MEDIATION PROCESS AND ITS APPLICATIONS 3.0
Study of the mediation process and its evolution. Analysis of models and applications including: court-annexed, family, municipal court, community, peer, and victim offender mediation. Student participation in role plays, research, and observations of mediation process.

LSLW 324
LEGAL REASONING 3.0
Theoretical foundations for developing models and methods of addressing legal problems. Principles of legal reasoning and argument in the Anglo-American common law tradition. Models of legal reasoning and methodology for resolving legal problems as developed within evolving social and philosophical notions of justice and fairness. Pre-Law Studies Minor. Cross listed with Philosophy and Religion, PHIL 324.

LSLW 360
RIGHTS, LIBERTIES AND AMERICAN JUSTICE 3.0
An integrated approach to the study of individual rights, liberties, and American justice. The development of constitutional law in its social, political, and cultural contexts. The growth of the legal tradition and recent developments in relation to statutory law in shaping the principles of American liberty.

LSLW 388
TRIAL TECHNIQUES AND STRATEGIES 3.0
Strategy, technique and psychology of trials conducted in seminar format is the focus of this class. Students learn trial procedure, rules of evidence and how to implement what they have learned by auditioning for attorney and witness roles, applying theory to an actual legal problem in conjunction with a mock trial, and competition. Students should be prepared to make a time commitment during winter break. Limited enrollment and open only to undergraduates.

- LSLW 390**
INDEPENDENT STUDY IN LAW 3.0
 Guided study of a particular area of law arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of law.
Prerequisite: Departmental approval.
- LSLW 391**
WOMEN AND THE LAW 3.0
 Introduction to and evaluation of the changing patterns of gender-based laws in the United States in terms of the preferences they reflect and the rationales used to justify them. Emphasis on issues which impact upon women's rights, relevant caselaw which impacts upon the roles and rights of women, and legislation.
- LSLW 497**
PRE-LAW SEMINAR AND INTERNSHIP 3.0
 Field work experience in the legal setting to provide Pre-Law students who have acquired basic skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations.
Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open only to juniors and seniors.
- LSLW 498**
COOPERATIVE EDUCATION: PRE-LAW STUDIES 4.0-8.0
 Academic study integrated with paid employment in the legal setting to provide Pre-Law students who have acquired basic legal skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations.
Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open only to juniors and seniors.
- LSLW 499**
SELECTED TOPICS IN LAW 3.0
 Exploration of a timely and significant area of law. The specific topic will be announced each time that the course is offered.
Prerequisites: Vary according to the topic offered.
- LSPA 290**
LANGUAGE OF THE LAW 3.0
 This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Linguistics, LNGN 290.
- LSPA 399**
SELECTED TOPICS IN LEGAL INTERPRETATION AND TRANSLATION 3.0
 Exploration of timely and significant areas in legal interpretation and translation. Topics will be announced each time that the course is given. The course format is language specific, but the language may vary with each offering.
Prerequisite: Fluency in a language combination (e.g., Spanish/English or American Sign Language/English) will be specified each time the course is given; departmental approval.
- LSPR 210**
LAW AND LITIGATION 3.0
 An introduction to the legal system with a focus on the New Jersey court system. Review of substantive areas of law and application of procedural concepts from initiation of a civil lawsuit through entry of judgment. The unique role and function of attorney and paralegal in the process of client interviewing, ethical considerations, investigation and preparation for trial. Drafting of pleadings and other documents used in litigation and trial. Introduction to Law (LSLW 200) is a recommended prerequisites.
- LSPR 301**
CRIMINAL LAW AND PROCEDURE 3.0
 Legal concepts of criminal law and their application to criminal procedure. Contrast between civil law and criminal law. Study of crimes against persons, property and the public. Searches and seizure, arrest and interrogation. Students may take LSPR 301 or POLS 321 but not both courses as part of the Paralegal minor, the Political Science major or the Criminal Justice minor.
- LSPR 304**
REAL ESTATE LAW 3.0
 Principles of real estate law and transactions. Contracts, mortgages, surveys, title, RESPA. Conveyances of real property from the standpoint of seller and purchaser. Landlord-tenant relations. Forms and documents utilized by paralegals in real estate law.
- LSPR 305**
IMMIGRATION LAW 3.0
 Basic overview of the Immigration and Nationality Act, as well as historical and sociological perspective of United States immigration. Practice and procedure of immigration law as it pertains to both administrative agency processing and consular processing. Visa applications, naturalization, citizenship, deportation, exclusion, asylum and refugee practice.
- LSPR 306**
CONTRACT LAW FOR PARALEGALS 3.0
 Theoretical foundations and practical applications of contract law in the common law tradition as modified by the Uniform Commercial Code. Drafting of contracts. Students may take LSPR 306 or BSLW 261 in the Paralegal Studies program but not both courses.
- LSPR 308**
NEGOTIATION, MEDIATION AND ARBITRATION 3.0
 An in-depth study of complementary forms of dispute resolution as compared and contrasted with the traditional judicial system. Students study the theoretical background and receive training in mediation, negotiation and arbitration. Students may take LSLW 220 or LSPR 308 but not both courses. Students in the Paralegal Studies program should take LSPR 308.
- LSPR 310**
FUNDAMENTALS OF PATENT, TRADEMARK AND COPYRIGHT LAW 3.0
 Substantive principles of patent, trademark and copyright law including categories and standards of patentability, categories of trademarks and categories of copyrightable subject matter. Assignment and licensing of such proprietary rights. Litigation involving acts of infringement including related areas of anti-trust law and unfair competition.
- LSPR 312**
FOUNDATION OF LEGAL RESEARCH 3.0
 Study of principles, methods and applications of legal research. Exploration of sources of law including case law, statutory law, and administrative regulations. The use of a law library. Familiarization with computer-assisted legal research. Cross listed with Justice Studies, JUST 312.
Prerequisite: Not open to freshmen.
- LSPR 316**
SKILLS FOR BILINGUAL LEGAL PERSONNEL 3.0
 Translating, interpreting and cultural fluency as applied to the legal field and in particular to the role of bilingual paralegals.
Prerequisite: Fluency in Spanish required.
- LSPR 317**
EVIDENCE 3.0
 An examination of the basic principles and rules governing trial advocacy in federal and state (New Jersey) cases. Areas to be examined include: the hearsay rule and its exceptions, examination of witnesses (lay and expert); impeachment; privileges; real and demonstrative evidence, inference, judicial notice and presumptions.
- LSPR 322**
WILLS, TRUSTS AND PROBATE LAW 3.0
 Basic concepts, practice, and procedures in wills, probate, and trusts. Includes will drafting, estate planning, probate procedures and estate administration. Forms and questionnaires utilized by paralegals in these areas.

- LSPR 330**
FAMILY LAW 3.0
 Basic concepts of family law practice. Study of ceremonial and common-law marriage. Dissolution of marriage and annulment. Financial consequences, including alimony and property distribution. Child custody, adoption, illegitimacy, paternity, and surrogacy. Domestic violence. Familiarization with New Jersey procedures.
- LSPR 332**
PERSONAL INJURY LAW 3.0
 Legal concepts and terminology of personal injury law, both substantive and procedural. Negligence, medical malpractice, products liability. Drafting of pleadings and other documents utilized by paralegals in personal injury practice.
Prerequisites: LSPR 210 and 312.
- LSPR 336**
CORPORATIONS AND PARTNERSHIPS 3.0
 Legal characteristics and tax aspects related to sole proprietorships, partnerships, limited partnerships and corporations. Formation, operation and dissolution of the corporate entity. Drafting of legal forms utilized by paralegals in these areas.
- LSPR 339**
COMPUTER APPLICATIONS IN THE LEGAL ENVIRONMENT 3.0
 Applications of computer software in the legal environment. Legal applications of word processing, databases and spreadsheets. Legal software for document generation, document management, financial management, time billing, time and docket management, computer-assisted legal research and information management in the workflow process.
Prerequisites: LSPR 312. Undergraduates must complete the Computer Science General Education Requirement before taking this course.
- LSPR 362**
LEGAL WRITING 3.0
 Application of legal research, method and analysis to legal writing. Students are required to perform various kinds of legal writing assignments and to demonstrate ability to identify legal problems, analyze them based upon the related law and theory, and solve problems with resulting written work product.
Prerequisite: LSPR 312.
- LSPR 390**
INDEPENDENT STUDY IN PARALEGAL STUDIES 3.0
 Guided study of a particular area of Paralegal Studies arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of Paralegal Studies.
Prerequisite: Departmental approval.
- LSPR 411**
ADVANCED PATENT, TRADEMARK AND COPYRIGHT LAW 3.0
 Procedural principles of patent, trademark and copyright law including prosecution of patent and trademark applications in the United States Patent and Trademark Office, preparation and filing of trademark applications and preparation of applications to register claims to copyright in the United States Copyright Office. Litigation procedures for acts of infringement relating to such proprietary rights.
Prerequisite: LSPR 310.
- LSPR 420**
ADVANCED CIVIL LITIGATION 3.0
 Refinement of substantive and procedural principles relating to all stages of a civil law suit from commencement of suit through judgment and appeal as applied in New Jersey. Theoretical foundations and practical applications in the state court system contrasted with the federal court system.
Prerequisites: LSPR 210 and 312.
- LSPR 438**
TRADEMARK LAW 3.0
 Comprehensive study of procedural and substantive aspects of trademark selection, registration, use, and protection within the context of intellectual property.
- LSPR 441**
ADVANCED COMPUTER SYSTEMS IN THE LEGAL ENVIRONMENT 3.0
 Applications and operation of computer systems, including hardware and software, designed specifically to assist in the practice of law or the management of law office and to provide students with a conceptual basis for evaluation, application and operation of other legal application and systems programs which may become available.
Prerequisites: LSPR 312 and 339.
- LSPR 450**
LAW OFFICE MANAGEMENT AND TECHNOLOGY 3.0
 Theoretical foundations and practical applications of law office management and technology. Hands-on and theoretical problems dealing with work product, human resources, and workflow in assembly, case management, database management, human resource management, and technological interfaces with traditional processes
- LSPR 460**
ADVANCED LEGAL RESEARCH AND WRITING 3.0
 Refinement of principles and methods of legal research in working with statutes, case law and other legal sources. Application of legal research techniques to practical legal problems. Preparation of more complex legal research projects.
Prerequisites: LSPR 312 and 362.
- LSPR 497**
PARALEGAL SEMINAR AND INTERNSHIP 3.0
 Field work experience of 90 hours in a private sector law office, corporation, bank or public sector agency. Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career option.
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval.
Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.
- LSPR 498**
COOPERATIVE EDUCATION: PARALEGAL STUDIES 4.0 or 8.0
 Academic study integrated with supervised paid employment situation in the legal environment outside of the formal classroom setting. Part-time (20 hours per week) or full-time (40 hours per week). Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career options.
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval.
Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.
- LSPR 499**
SELECTED TOPICS IN PARALEGAL STUDIES 3.0
 Exploration of a significant area of Paralegal Studies such as administrative law, bankruptcy, environmental law as well as new and evolving legal areas. The specific topic will be announced each time the course is offered.

LINGUISTICS

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Mary E. Call

Human language permeates nearly every facet of our existence and is one of the most important of human activities. The courses in linguistics reflect this fact and explore the many aspects of language: its structure, its history, its relationship to society and to psychological processes, its role in shaping our attitudes, its use in literature, and many other topics.

The department offers general courses for non-majors and specialized courses for majors, as well as a minor program and a variety of courses for students in other fields. In addition, the department offers a choice of a liberal arts major in Linguistics, a Linguistics major with certification in Teaching English as a Second Language (TESL) as a first teaching field, and certification in TESL as a second teaching field. TESL certification is required for teaching ESL in grades K-12 in public schools in the state of New Jersey.

Linguistics majors receive a Bachelor of Arts degree.

Linguistics Major

Required Courses for All Majors: (24 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 300 Syntax	3
LNGN 301 Semantics	
OR	
LNGN 302 Pragmatics	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3

Electives for Liberal Arts: (12 Semester Hours)

LNGN 240 Languages of the World	3
LNGN 255 Language and Gender	3
LNGN 260 Dialectology	3
LNGN 270 History of Linguistics	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
LNGN 301 Semantics	3
LNGN 302 Pragmatics	3
LNGN 310 Morphology	3
LNGN 325 Principles of Second Language Learning	3
LNGN 370 Comparative and Historical Linguistics	3
LNGN 380 Natural Language Processing	3
LNGN 410 Linguistics and Philosophy	3
LNGN 420 Language and the Mind	3
LNGN 430 Field Methods	3
LNGN 450 Selected Topics in Linguistics	3
LNGN 451 Selected Topics in Linguistics	3
LNGN 478 Independent Study	3
LNGN 479 Independent Study	3
PSYC 290/CMPT 290 Cognitive Science	3
PSYC 348 Psycholinguistics	3
PSYC 490 Seminar in Cognitive Science	3

Total 36

Electives for TESL Certification: (12 Semester Hours)

	Semester Hours
LNGN 260 Dialectology	3
LNGN 270 History of Linguistics	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
LNGN 325 Principles of Second Language Learning (recommended)	3
LNGN 384 The Grammars of English	3
LNGN 450 Selected Topics in Linguistics (with approval of advisor)	3
LNGN 478 Independent Study (with approval of advisor)	3

LNGN 479 Independent Study (with approval of advisor)	3
LNGN 480 Linguistics in Education and Society	3
PSYC 348 Psycholinguistics (recommended)	3

To be eligible for TESL certification students must also be admitted to and fulfill requirements for the Teacher Education Program described elsewhere in this catalog. See Index. Students must have a minimum grade point average (GPA) of 3.0 in their Linguistics courses and a 2.5 GPA overall to be admitted to this program.

Recommended Courses: A non-Indo-European Language (6-12 Semester Hours)

CHIN 101 Beginning Chinese I	3
CHIN 102 Beginning Chinese II	3
CHIN 201 Intermediate Chinese I	3
CHIN 202 Intermediate Chinese II	3
JAPN 101 Beginning Japanese I	3
JAPN 102 Beginning Japanese II	3
JAPN 201 Intermediate Japanese I	3
JAPN 202 Intermediate Japanese II	3

Linguistics Minor

Required Course

	Semester Hours
LNGN 210 Introduction to General Linguistics	3

Electives

Select 15 semester hours from the appropriate list available from the department 15

Total 18

Certification Program in Teaching English as a Second Language (TESL) as a Second Teaching Field

Linguistics and ESL Methodology:

Six Required Courses: (18 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 245 Language and Culture	3
LNGN 325 Principles of Second Language Learning	3
LNGN 403 Methods and Materials of TESL	3
LNGN 405 Field Experience in TESL	3

Four Recommended Courses: (12 Semester Hours)

LNGN 230 Language in Society	3
LNGN 260 Dialectology	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
PSYC 348 Psycholinguistics	3

English as a Second Language (ESL)

The Linguistics Department offers a full sequence of courses in English as a Second Language for students with limited English proficiency. Class placement is determined by examination.

	Semester Hours
ESOL 051 Intensive ESL I	6
ESOL 152 Intensive ESL II	6
ESOL 153 Intensive ESL III	6
ESOL 154 Intensive ESL IV Advanced Composition	6
ESOL 310 ESL - Advanced Oral Skills	3
ESOL 311 ESL - Advanced Listening Comprehension	3
ESOL 400 English and Academic Skills	3

Courses of Instruction

- AMSL 101**
BEGINNING AMERICAN SIGN LANGUAGE I 3.0
 This course introduces students to American Sign Language (ASL). Students will master basic structures of ASL. They will acquire a sizeable vocabulary, and they will achieve the ability to participate in conversations on a variety of topics.
- AMSL 102**
BEGINNING AMERICAN SIGN LANGUAGE II 3.0
 This course is a continuation of AMSL 101 and is designed to further students' command of American Sign Language (ASL). They will learn additional ASL structures; they will add to their vocabulary; and they will improve their fluency in conversation.
Prerequisite: AMSL 101.
- AMSL 201**
INTERMEDIATE AMERICAN SIGN LANGUAGE I 3.0
 This course builds on the skills acquired in Beginning ASL I and II. Emphasis will be on acquiring the ability to use ASL to converse about a wider range of topics. Students will increase their vocabularies, learn additional sentence types, and improve their skills in the use of the Manual Alphabet.
Prerequisite: AMSL 102.
- AMSL 202**
INTERMEDIATE AMERICAN SIGN LANGUAGE II 3.0
 This course is a continuation of AMSL 201. In addition to an increased vocabulary and greater fluency in the use of ASL, students will learn several structures that are absent from English and many other familiar languages.
Prerequisite: AMSL 201.
- CHIN 101**
BEGINNING CHINESE I 3.0
 The first semester of an introduction to the Chinese language, focusing mainly on speaking and comprehension, and secondary emphasis on reading and writing. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.
- CHIN 102**
BEGINNING CHINESE II 3.0
 The second semester of an introduction to the Chinese language, focusing mainly on speaking and comprehension, with secondary emphasis on reading and writing. Meets the General Education Requirement - Foreign Language.
Prerequisite: CHIN 101. Special fee.
- CHIN 201**
INTERMEDIATE CHINESE I 3.0
 This is the first semester of a second year course in the Chinese language (Mandarin). The course will continue to build the skills in spoken Chinese developed in Beginning Chinese I and II. However, the focus of this course will be reading and writing. The reading and writing components will be gradually increased to at least fifty per cent of the course content. Meets the General Education Requirement - Foreign Language.
Prerequisite: CHIN 102. Special fee.
- CHIN 202**
INTERMEDIATE CHINESE II 3.0
 This course will complete the Intermediate Chinese sequence. The increased emphasis on reading and writing, begun in Intermediate Chinese I, will continue. Reading and writing skills, along with vocabulary building, will be the focus of the course, although speaking will continue to be important. Meets the General Education Requirement - Foreign Language.
Prerequisite: CHIN 201 or equivalent. Special fee.
- ESOL 051**
INTENSIVE ESL I 6.0
 This course is the first in a sequence of four courses for students whose first language is not English. The course aims to develop all four language skills: listening, speaking, reading and writing emphasizing listening comprehension and speaking. The class will meet twice a week for two and a half hours each session. Credits not applicable toward graduation.
Prerequisite: Placement examination required. Special fee.
- ESOL 152**
INTENSIVE ESL II 6.0
 The course is the second in a sequence of four courses for students whose first language is not English. The course aims to continue the development of all four skills: listening, speaking, reading, writing, with special emphasis on reading and vocabulary development. The class will meet twice a week for two and one half hours.
Prerequisite: ESOL 051 or placement examination. Special fee.
- ESOL 153**
INTENSIVE ESL III 6.0
 This is the third in a sequence of four courses for students whose first language is not English. The course is a continuation of ESL II with increased emphasis on reading and writing. The course meets twice a week for two and a half hours.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 154**
INTENSIVE ESL IV ADVANCED COMPOSITION 6.0
 This is the fourth in a sequence of four courses for students whose first language is not English. The course continues working on speaking, listening and reading skills but puts primary emphasis on formal writing. Students will write compositions, essays, etc. focusing on the techniques necessary for academic writing. The class will meet twice a week for two and a half hours.
Prerequisite: ESOL 153 or placement examination. Special fee.
- ESOL 310**
ESL - ADVANCED ORAL SKILLS 3.0
 The course is designed to improve the oral language skills of non-native English speakers whose background has emphasized the skills of reading and writing. The course is intended to help develop oral proficiency in students whose oral comprehension and ability to make themselves understood is weak. The course will concentrate on the skill of speaking.
Prerequisite: ESOL 152 or 153 or 154. Special fee.
- ESOL 311**
ESL - ADVANCED LISTENING COMPREHENSION 3.0
 This course is designed to improve the comprehension of spoken English by the non-native speaker whose writing and speaking is acceptable but who has difficulty following classroom lectures and conversations among English speakers.
Prerequisite: ESOL 152 or 153 or 154. Special fee.
- ESOL 400**
ENGLISH AND ACADEMIC SKILLS 3.0
 This course is designed to prepare international graduate students whose English skills need improvement for academic success in classes where English is the medium of instruction. The course will have two major goals: to enhance the students' ability to do academic work in English and to develop in the students an understanding of the culture of North American classrooms.
Prerequisite: Placement examination required. Special fee.
- JAPN 101**
BEGINNING JAPANESE I 3.0
 A basic introduction to the Japanese language, with emphasis on speaking and understanding. The fundamentals of the Japanese writing system will also be introduced.
Prerequisite: Special fee.
- JAPN 102**
BEGINNING JAPANESE II 3.0
 A continuation of Beginning Japanese I. Additional vocabulary and more complex grammatical forms will be introduced. The emphasis remains on speaking and understanding.
Prerequisite: JAPN 101 or equivalent. Special fee.
- JAPN 201**
INTERMEDIATE JAPANESE I 3.0
 This course continues JAPN 101 and 102 Beginning Japanese I and II and will build on the skills that students have developed in those courses. Students will learn to use a wider variety of more complex structures; they will acquire significantly increased vocabulary; they will improve their pronunciation; and they will gradually gain mastery of the two most difficult aspects of Japanese: its writing system and its system of honorifics.
Prerequisite: JAPN 102 or equivalent. Special fee.

JAPN 202		
INTERMEDIATE JAPANESE II	3.0	
This course builds on the skills that students have developed in JAPN 201 and will help the students refine their mastery of the spoken and written language, the vocabulary, the grammar, and the writing system.		
<i>Prerequisite: JAPN 201 or equivalent. Special fee.</i>		
LNGN 210		
INTRODUCTION TO GENERAL LINGUISTICS	3.0	
The nature and structure of language; the basic techniques for analyzing linguistic structures; phonological, morphological, syntactic and semantic structure of languages, language and dialects; language change; the comparative method in linguistics; human and animal communication; differences between first and second language learning. Required of majors. Meets the General Education Requirement - Social Science, Survey Course.		
LNGN 220		
STRUCTURE OF AMERICAN ENGLISH	3.0	
The phonology, morphology, syntax of American English, geographical and social dialects; traditional, structural and transformational approaches to grammar. Required of majors. Meets the General Education Requirement - Foreign Language.		
LNGN 230		
LANGUAGE IN SOCIETY	3.0	
Correlations between language varieties, their functions in particular settings, and the characteristics of their speakers. Black English. The role of second languages within a society: Pidgin, Creole, Lingua Franca, Diglossia, etc. Required of majors. Meets the General Education Requirement - Social Science, Topic Course.		
LNGN 240		
LANGUAGES OF THE WORLD	3.0	
A survey of the languages of the world from the dual perspectives of their genealogical classification and their typological (or structural) characteristics. It is intended for both majors and non-majors, and presupposes no previous linguistic training.		
LNGN 245		
LANGUAGE AND CULTURE	3.0	
Language in its cultural context. Relationship of linguistic to non-linguistic variables: ethno semantics, linguistic relativity principle, componential analysis, glottochronology. Required of majors. Meets the General Education Requirement - Social Science, Topic Course.		
LNGN 250		
LANGUAGE OF PROPAGANDA	3.0	
This course is a multidisciplinary approach to the study of the use of language to manipulate and influence opinions via advertising, innuendo, jargon, emotive language, etc. Meets the General Education Requirement - Contemporary Issues.		
LNGN 255		
LANGUAGE AND GENDER	3.0	
A sociolinguistic study of sex differentiation in English and other languages. Course includes a survey of the literature on women and language plus practical experience in collecting and analyzing linguistic data. Meets the General Education Requirement - Social Science, Topic Course. Meets the Multicultural Awareness Requirement.		
LNGN 260		
DIALECTOLOGY	3.0	
Principles of dialect study; application to American dialects. The origin and development of American dialects in historical, literary, regional, social and urban perspectives.		
LNGN 270		
HISTORY OF LINGUISTICS	3.0	
Linguistics from the ancient Sanskrit grammarians to the present. Present-day 'schools': structuralism, glossematics, Prague school, London school, tagmemics, stratificational grammar, transformational grammar.		
LNGN 280		
BILINGUALISM	3.0	
Compound and coordinate bilingualism; attitudes, motivation, etc.; functions of languages in multilingual settings; problems of newly-independent, multilingual nations in establishing national and standardized languages; analysis of bilingual speech; problems of educating minority groups in this country whose native language is not English.		
LNGN 284		
HISTORY OF THE ENGLISH LANGUAGE	3.0	
English from its Indo-European origins up to and including the eighteenth-century grammarians. The Germanic strains; old, middle and modern English.		
LNGN 290		
LANGUAGE OF THE LAW	3.0	
This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Legal Studies, LSPA 290.		
LNGN 300		
SYNTAX	3.0	
The study of sentence structure and the theories designed to describe it. Emphasis on structural grammar, the development of Generative Grammar and contemporary theoretical methods for describing sentence structure. Data will be taken from a number of different languages. Required of majors.		
<i>Prerequisite: LNGN 210.</i>		
LNGN 301		
SEMANTICS	3.0	
The systematic and objective study of meaning in language. Topics include: referential meaning, semantic fields, componential analysis, synonymy, polysemy, hyponymy and sequential meaning. Data will be taken from a number of different languages. Required of majors.		
<i>Prerequisite: LNGN 300.</i>		
LNGN 302		
PRAGMATICS	3.0	
The study of pragmatics, an area of linguistics that examines language as situated speech and studies how context affects the interpretation of meaning.		
<i>Prerequisite: LNGN 300.</i>		
LNGN 310		
MORPHOLOGY	3.0	
Morphology is the study of the structure of words. Students will learn to analyze words by working with data from many languages, and they will study the kinds of morphological systems that exist in the languages of the world.		
<i>Prerequisite: LNGN 210.</i>		
LNGN 325		
PRINCIPLES OF SECOND LANGUAGE LEARNING	3.0	
Theories of second language acquisition; error analysis; individual learner differences; the roles of input, interaction, and formal instruction in language acquisition.		
LNGN 331		
PHONETICS	3.0	
A comprehensive introduction to phonetics, the study of the production of speech sounds and their acoustic characteristics. Students will learn to identify, classify, and transcribe sounds from a variety of languages. While intended primarily for Linguistics majors, this course will also be of interest to prospective language teachers and to majors in Speech, in Psychology, and in Communication Sciences and Disorders.		
<i>Prerequisite: Special fee.</i>		
LNGN 332		
PHONOLOGY	3.0	
Phonology studies how languages make use of a particular subset of all the possible speech sounds in a systematic way to produce meaningful units like words and sentences. The objectives of this course will be to give students experience in analyzing phonological data from a wide variety of languages and to survey current theories of phonology.		
<i>Prerequisites: LNGN 331. Special fee.</i>		

LNGN 370
COMPARATIVE AND HISTORICAL LINGUISTICS 3.0
Similarities and differences among languages and language families at one point in time and as these develop in time; reconstructing the common ancestor of related languages and determining general laws of linguistic change.

LNGN 384
THE GRAMMARS OF ENGLISH 3.0
A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as means of more effective writing and literary analysis. This course is cross-listed with English (ENGM 384).

LNGN 403
METHODS AND MATERIALS OF TESL 3.0
The theory and practice of ESL instruction covering the major methodologies, planning lessons, testing language skills, selecting and developing materials and related topics.

LNGN 405
FIELD EXPERIENCE IN TEACHING ENGLISH AS A
SECOND LANGUAGE 3.0
Opportunity to teach English as a second language will be arranged for each student in the program.

LNGN 420
LANGUAGE AND THE MIND 3.0
An introduction to the major theoretical and methodological principles of Noam Chomsky's theory of Universal Grammar and what they tell us about structure of the human mind.
Prerequisite: LNGN 210 or PSYC 290.

LNGN 430
FIELD METHODS 3.0
Collecting linguistic data from an informant; human factors in field work; qualifications of the informant; elicitation techniques.

LNGN 445
NATURAL LANGUAGE PROCESSING 3.0
This course introduces students to the field of Natural Language Processing, that is, of the applications of computer technology to linguistics. The major topics will include language generation, syntactic parsing, and the analysis and synthesis of speech. Students will learn to write programs in PROLOG, one of the most widely used computer languages in language and artificial intelligence applications.

LNGN 450
SELECTED TOPICS IN LINGUISTICS 3.0
Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.

LNGN 451
SELECTED TOPICS IN LINGUISTICS 3.0
Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.

LNGN 460
TOPICS IN THE STRUCTURE OF A SELECTED LANGUAGE 3.0
An exploration of a single topic or a small set of topics related to a specific language. Selections of the topic(s) and language will depend on the interests of the students and the instructor, and on the availability of relevant material. The topics will be of general relevance to linguistics, and might relate to phonological, morphological, syntactic, semantic, sociolinguistic, historical, or other issues.
Prerequisite: Departmental approval.

LNGN 478
INDEPENDENT STUDY 3.0
This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.

LNGN 479
INDEPENDENT STUDY 3.0
This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.

MANAGEMENT

SCHOOL OF BUSINESS ADMINISTRATION

Chairperson: Byung Min

The department offers a Bachelor of Science degree in business administration with a concentration in management. Students whose concentration is in management learn about the actual operation of business organization and how to be an effective business leader/manager. Managers must have a thorough understanding of human behavior in organizations in this 21st century's global business environment. Management students will be given opportunities to develop managerial skills in human resources management, small business management, interpersonal relations, international business management and/or strategic management.

Business Administration Major

Required Courses

		Semester Hours
ACCT	201 Fundamentals of Accounting I	3
ACCT	202 Fundamentals of Accounting II	3
BSLW	264 Legal, Ethical and Global Environment of Business	3
FINQ	270 Statistics for Business	4
MGMT	231 Management Processes	3
FINC	321 Fundamentals of Finance	3
MKTG	340 Introduction to Marketing	3
MKTG	346 Introduction to International Business	3
INFO	371 Management Information Systems	3
FINQ	375 Operations Analysis	3
MGMT	439 Business Policy	3

Collateral Courses

MATH	113 Mathematics for Business I	3
MATH	114 Mathematics for Business II	3
ECON	101 Principles of Economics: Macro	3
ECON	102 Principles of Economics: Micro	3
Two courses from two of the following departments:		
Anthropology, Psychology, Sociology		6

Concentration in Management

The concentration in management provides professional education in organization theory and behavior, the management of human resources, operations, and small business management.

Required Courses

	Semester Hours
MGMT 316 Human Resources Management	3
MGMT 495 Contemporary Issues in Management	3
Select 2 courses from departmental offerings (MGMT)	6

Business Administration Electives

Select 15 semester hours from the appropriate list to be obtained from the department 15

Courses of Instruction

MGMT 231

MANAGEMENT PROCESSES

3.0

To provide undergraduate students a review of classical and modern approaches to the managerial process as it relates to the manager's functions of planning, organizing, communication, motivation, leading, controlling and managing change. Emphasizing new forces in the managerial environment such as workplace diversity and economic globalization, these reviews will be tied to the open-system model and the contingency approach as overall frameworks for understanding organizations and management.

MGMT 315

ORGANIZATIONAL BEHAVIOR

3.0

Major approaches to the study of organizations. Organizational systems and structure, systems of communication, power and influence, organizational conflict, coordination and control, leadership, motivation, interpersonal dynamics and change and renewal.

Prerequisite: MGMT 231.

MGMT 316

HUMAN RESOURCE MANAGEMENT

3.0

Motivating managerial and non-managerial employees; effective use of human resources in the organization. The personnel function, techniques of job analysis, description and evaluation, and overall organizational development particularly with minority group members and female employees.

Prerequisites: MGMT 231 and junior standing and Business Administration, Allied Health Services, Recreation Professions and Human Ecology majors only.

MGMT 318

MOTIVATION AND LEADERSHIP

3.0

In-depth analysis of the human element; analytical models to assist in the solution of leadership problems in an organizational context. Techniques of analysis and the psychology of self-esteem. Motivational problems facing first-line, middle, and top level managers in professional and nonprofessional work activities. The development of skills for practical application case studies.

Prerequisite: MGMT 231.

MGMT 327

TRAINING, DEVELOPMENT, AND CAREER PLANNING

3.0

Theory and design of training, development and career planning programs. Assessment of training needs, training and development methods and procedures for evaluating training are considered. Some emphasis is placed on the development of managerial skills through student workshops.

Prerequisite: MGMT 316.

MGMT 335

SMALL BUSINESS MANAGEMENT

3.0

The problems and opportunities of starting and operating a small business. Capital accumulation, adapting technologies to specialized needs, assessing local market opportunities, governmental aids, establishing working relationships with large organizations and problems of growth.

Prerequisites: ACCT 202 and ECON 101 and ECON 102 and MGMT 231 and MKTG 240.

MGMT 336

INTERNATIONAL BUSINESS MANAGEMENT

3.0

Managing organizations in foreign markets is much more complex than managing them in the domestic market. This course emphasizes international/cross-cultural management, including the impact of the foreign country's culture, legal system, government, economics, technology, and political system on entry strategies, organizational structures, leadership styles, motivation techniques, human resources management, and controls.

Prerequisite: MGMT 231.

MGMT 363

BUSINESS AND SOCIETY

3.0

Business as an institution in our pluralistic society; its relationship with other societal elements such as government, academia, labor and the consumer. American business past, present and future; strengths, weaknesses and overall contribution to society; ecology, minority groups and the quantity and quality of economic growth. Meets the General Education Requirement - Contemporary Issues.

MGMT 392
BUSINESS INTERNSHIP 1.0-3.0
Full-time on-the-job experience in a business organization under college supervision. During this experience, the student investigates and discusses in a seminar such topics as job analysis, description, study guides, training techniques and problems.

Prerequisite: Departmental approval.

MGMT 414
MANAGEMENT THEORIES: BEHAVIORAL APPROACHES 3.0
Advanced analysis of the most recent developments in the behavioral sciences as a basis for practical applications in the management of organizations. Special emphasis on techniques drawn from several behavioral models including approaches such as transactional analysis and behavior modification.

Prerequisite: MGMT 231.

MGMT 415
ORGANIZATIONAL THEORY: MACRO APPROACHES 3.0
A detailed analysis using the most up-to-date theories in the field of organizational analysis as it pertains to the management of organizations. Emphasis is placed on the application and understanding of macro models of human behavior in organizations to include such approaches as natural, rational and open systems models.

Prerequisite: MGMT 231 or 315.

MGMT 433
ENTREPRENEURSHIP AND INNOVATION 3.0
Attitudes and perspectives for effecting meaningful and profitable change. Concepts of creativity, optimum use of resources, and the impact of technological change. Anticipating needs and wants of all groups influenced by the enterprise; examples of successful entrepreneurship, role-playing and situational exercises.

Prerequisite: MGMT 231 and FINC 321 and MKTG 240.

MGMT 439
BUSINESS POLICY 3.0
This is the capstone course in the Business curriculum which requires students to integrate and build on the knowledge and skills acquired in the business core courses. The course emphasizes the use of business skills in the formulation and implementation of strategy through processes such as stake holder audits, industry analysis, value chain analysis, identification of capabilities and competence, and business and corporate strategy selection in both the domestic and international context. To accomplish this the case study instructional method is used as the primary format.

Prerequisites: ACCT 202 and FINC 321 and MGMT 231 and MKTG 240; senior standing; Business Administration majors only.

MGMT 491
SMALL BUSINESS INSTITUTE 3.0
A field studies course providing management assistance to small businesses in the local community. Students work individually or in small groups under faculty supervision directly with a small business person who has requested their counseling services. Students gain experience in problem solving and applying marketing, accounting, finance and/or management concepts to actual business situations. The course is focused on the preparation and delivery of the students' consulting report to the client at the end of the semester.

Prerequisites: MGMT 231 and MKTG 240 and FINC 321.

MGMT 492
SELECTED TOPICS IN MANAGEMENT 1.0-3.0
The content of this course varies with each offering. Its purpose is to provide for the comprehensive development and study of an advanced topic of current interest not covered in-depth in the regular curriculum. Examples of topics covered in the past include: labor relations; women in management; and data base management systems.

Prerequisite: Departmental approval.

MGMT 495
CONTEMPORARY ISSUES IN MANAGEMENT 3.0
The capstone course in management that addresses issues at the forefront of management practice and scholarship. Delivered in a seminar and experiential format, this course will cover topics such as Teams and Teamwork, Learning Organizations and Creativity, and New Forms of Organizing such as telecommuting.

Prerequisites: Senior standing and MGMT 231 and MKTG 346 and INFO 371.

MARKETING

SCHOOL OF BUSINESS

Chairperson: John McGinnis

Marketing as a discipline involves itself with analyzing consumer and industrial needs in a constantly changing environment. Marketing managers then take this information and reflect it in an appropriate marketing strategy that is congruent with those needs.

The programs in this department provide students with a knowledge of the theoretical and practical aspects of the discipline. Courses in advertising, consumer behavior, sales concepts and practices, retail store merchandising and management, marketing research and strategies prepare students for entry-level positions and potential advancement in marketing careers. Our program in international business provides awareness of international market opportunities, export/import licensing and a well chosen sequence of courses sharpening analytical, creative, and decision-making skills.

The department offers a Bachelor of Science degree in Business Administration with the following three concentrations available: International Business; Marketing; and Retail Store Merchandising and Management.

Business Administration Major

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	4
FINC 321 Fundamentals of Finance	3
MKTG 240 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

MATH 113 Mathematics for Business I	3
MATH 114 Mathematics for Business II	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

Concentration in Marketing

Required Courses

MKTG 442 Marketing Research	3
MKTG 446 Marketing Strategy and Implementation	3
Select one of the following:	
MKTG 307 Retail Store Merchandising and Management	3
MKTG 341 Consumer Behavior	3
MKTG 443 Business to Business Marketing	3
Select two additional courses from departmental offerings (MKTG)	6

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Concentration in International Business

Required Courses

	Semester Hours
MKTG 347 Export/Import Marketing Process	
OR	
MKTG 349 International Marketing	3
ECON 402 International Economics	3

Select two courses from the following:

ACCT 311 International Accounting	3
BSLW 400 International Business Law	3
ECON 403 Comparative Economic Systems	3
FINC 327 International Financial Management	3
FINC 431 Advanced International Financial Management	3
MKAD 392 International Business Internship	3
MGMT 336 International Business Management	3
MGMT 434 Comparative Management Systems	3
MKTG 347 Export/Import Marketing Process	3
MKTG 349 International Marketing	3
MKTG 440 International Retailing	3

Business Administration Electives

Select 15 semester hours from the appropriate list to be obtained from the department 15

Concentration in Retail Merchandising and Management

Required Courses

	Semester Hours
MKTG 307 Retail Store Merchandising and Management	3
MKTG 309 Buying and Distribution Strategies	3
MKTG 351 Supervised Work Experience and Seminar I	3
MKTG 482 Independent Owned and Franchised Retailer	3
MKTG 483 Seminar in Retail Management	3

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Courses of Instruction

MKAD 392

INTERNATIONAL BUSINESS INTERNSHIP 1.0-3.0
Students are afforded an opportunity to apply classroom theoretics to practical international business issues. Working with regional small and mid-size businesses, the students' training allows them to compile database market feasibility studies for clients of the International Trade Counseling Center (ITCC). Additional assignments may include: evaluation of the firm's export readiness, basic export/import education, development of customized international marketing plans as well as information about documentation and licensing requirements.

Prerequisite: Departmental approval.

MKAD 492

SELECTED TOPICS IN MARKETING MANAGEMENT AND GLOBAL ISSUES 1.0-3.0
This independently arranged educational exposure allows students to transfer 1 to 3 credits of the co-op educational job experience to the major elective category. Job positions must involve marketing, management, retailing, and international business applications for credit to be transferred.

Prerequisite: Departmental approval.

- MKTG 240**
INTRODUCTION TO MARKETING 3.0
 This introductory course is designed to expose the student to the basic areas that comprise marketing as a discipline. Marketing is viewed as a process that must be integrated with all other business functions. The basic theories, concepts, language and tools of marketing are introduced and illustrations of their applicability to the business as well as non-profit sectors of the national economy with increasing stress on the global realities which affect the marketing function is addressed. The increasingly powerful global realities which affect marketing are treated with enhanced coverage.
- MKTG 306**
BUSINESS COMMUNICATION AND NEGOTIATION IN SPANISH 3.0
 Intermediate Spanish IV with intensive practice in the parlance of Spanish and Spanish American business. Communication and negotiation skills will be stressed. Recommended as alternative to SPAN I42 for business majors. Cross listed with Spanish and Italian, SPAN 306.
Prerequisite: SPAN 141.
- MKTG 307**
RETAIL STORE MERCHANDISING AND MANAGEMENT 3.0
 Detailed coverage of the organization of retail stores and the responsibilities in each area are important studies of this course. Problems involved in the operation of a retail organization, and the preparation for the opening of such a business is studied. The movement of merchandise from resources to the store (logistics) is part of the subject matter. The preparation of the merchandise for resale, the use of computers, uniform product codes, inventory control are primary subject areas covered. Subject matter includes current developments, challenges and dangers in retailing. The changes and challenges to shopping malls, the growth and effect of category killers and the consolidation of retail ownership are important areas discussed. Retailer executives visit classroom to contribute to the class work.
Prerequisite: MKTG 240.
- MKTG 309**
BUYING AND DISTRIBUTION STRATEGIES 3.0
 Buying practices that have changed since the development of giant retail organizations (Wal-Mart and Home Depot) are studied and the effect it has had on "traditional" buying. Other areas covered are the functions of the merchandise division and the job challenges today. Micro-retailing, the buying and merchandise problems of today's stores are covered. Physical handling, comparison shopping, planning the buyer's budget and the six-month buying plans are also important topics. Buying for fashion vs. staple merchandise is compared as are the different problems of buying for a large or small retail firm. Resident buying offices and foreign buying are important topics in this buying course.
- MKTG 341**
CONSUMER BEHAVIOR 3.0
 An examination and analysis of consumer behavior related theories and concepts, which contribute towards successful domestic and international marketing management. This will include understanding behavioral science findings; market research techniques and consumer attitudes; socio-economic and demographic variables as they apply to end-user consumers.
Prerequisite: MKTG 240.
- MKTG 342**
SALES CONCEPTS AND PRACTICES 3.0
 Understanding organization, administration and evaluation of the selling function within the firm. Topics will include: mechanics of the selling process, developing personal attributes necessary for a career in sales; selection, training, and supervision; performance evaluation; compensation and motivation of sales personnel and relationship with other marketing functions.
Prerequisite: MKTG 240.
- MKTG 343**
DIRECT MARKETING 3.0
 Direct marketing continues to evolve as an information-driven marketing process, and its applications are expanding in all facets of the domestic and global economy. The students will be introduced to all aspects of direct marketing that enable marketers to develop, test, implement, measure, and appropriately modify customized marketing programs and strategies. The course will emphasize the role of database management in developing customer relationships in consumer, business-to-business and services sectors. The course will present telemarketing, direct mail, catalogs, broadcasting and electric medium with practical illustrations. Development and implementation of direct marketing methods will be instructed through lectures, executive presentations, case studies, corporate visits and "hands on" approach using personal computers.
Prerequisite: MKTG 240.
- MKTG 344**
ADVERTISING THEORY AND TECHNIQUES 3.0
 A broad introduction to advertising, promotion and marketing communications: historical roots of advertising; advertising from the viewpoint of clients, ad agencies and media; and both the marketing aspects (strategy development; account management) and creative aspects (copywriting; art direction production and editing) of advertising. Covers all forms of advertising: print, broadcast; out-of home; and the latest advertising media such as direct mail and response; cable TV; and internet/interactive. In addition to traditional lectures, guest lectures are provided by the advertising professionals. Students also have a practical opportunity to create ads and commercials.
Prerequisite: MKTG 240.
- MKTG 345**
SERVICE AND NONPROFIT MARKETING 3.0
 While noting the increasingly blurred distinguishment between the manufacturing and service sectors in today's post industrial economies, the first half of this course focuses on the problems and issues surrounding the effective marketing of the intangible aspects of a product service offering. Current methods for researching and analyzing service markets are taught and then applied by students in marketing plan formulation and case analyses with particular stress placed on translating the intangible aspects of a service into more measurable (and therefore, tangibles) characteristics aimed at enhancing customer satisfaction and retention. The second part of the course focuses on the nonprofit marketing, i.e., public and private nonprofit organizations. Students learn how to manage organizations such as government, religious, charitable, political, educational, and fund raising, institutions as well as marketing their endeavors more effectively.
Prerequisite: MKTG 240.
- MKTG 346**
INTRODUCTION TO INTERNATIONAL BUSINESS 3.0
 The course is designed to introduce business majors to the dynamics of global economy, trade and development and its linkage with the U.S. economy. Business students will get acquainted with the fundamentals of international economics, foreign exchange, monetary systems and financial markets, international trade and investment, the role of international organizations and agencies, international marketing, international accounting systems and taxation, cultural challenge, management styles and practices across the nations.
Prerequisites: ECON 101 and 102.
- MKTG 347**
EXPORT/IMPORT MARKETING PROCESS 3.0
 This course will cover all aspects of the export/import function from a marketing process standpoint. Topics include: export/import policies — national and international environment; government programs and incentives to promote exports; tariff systems; choosing export markets and analyzing exports and imports; developing an export program; setting up an export organization; export/import financing; export/import documentation; export pricing; packaging, shipping, traffic and insurance.
Prerequisite: MKTG 346.

- MKTG 349**
INTERNATIONAL MARKETING 3.0
 This course reviews and compares the marketing efforts and specific strategies which firms employ in different cultural, political, economic, and legal environments. Students examine changing international markets, exploring how firms need to quickly adapt to global competition. Issues to be examined include global sourcing, international alliances, export regulation, regional trade areas, and the influence of multinational firms.
Prerequisite: MKTG 240 and 346.
- MKTG 350**
PHARMACEUTICAL AND HEALTH CARE MARKETING 3.0
 A broad overview of the unique roles played by consumers, health care professionals, pharmacists, drug manufacturers, hospitals, clinics, government agencies, health insurers and others in this field that represents more than 20 percent of national GDP. Students learn how a complex mosaic of market, economic, social and governmental forces make these dynamic arenas in which to apply marketing theories, strategies and techniques. Team-teaching approach, as well as guest lecturers from the pharmaceutical and health care fields.
Prerequisite: MKTG 240.
- MKTG 351**
SUPERVISED WORK EXPERIENCE AND SEMINAR I 3.0
 Full-time paid work experience (approximately 400 hours) in a cooperating department, mass merchandise (discount), specialty or limited-price variety store is required. An evening seminar on store activities and student experiences is held. Trainees are required to submit regular progress reports of the ten to twelve week of experience. Other assignments are given to the student related to the student's particular job assignment. This course is usually taken in the summer following the student's sophomore year. A faculty visitation to the job site is made.
Prerequisite: Departmental approval.
- MKTG 352**
EVENT MARKETING PRACTICUM 2.0-3.0
 Students participate in the planning, promotion, and assessment of one or more major departmental events. Students will be introduced to project management tools (e.g., PERT) and principles of TQM by a faculty team leader/coach who will then guide students from the event's inception to its completion. In this process, students cultivate cross-functional team-building skills through continuous improvement of these annual events.
Prerequisite: Departmental approval.
- MKTG 399**
BUSINESS WORK EXPERIENCE II 4.0-8.0
 Business Work Experience II integrates classroom study with supervised work experience and intensifies the experience gained through participation in Introduction to Business Work Experience. This course will develop, through practical experience, the student's expertise in the major field of study by providing a bridge from the academic environment to the world of the entering professional.
Prerequisite: Departmental approval.
- MKTG 411**
ADVANCED TOPICS IN MARKETING RESEARCH 3.0
 Students build on interests gained in MKTG 442 to cover more advanced topics in the MR field: experimental research designs; site/location research; physiological testing; advanced database applications; innovation in advertising and copy research and the latest developments in UPC-scanner, single-source research. Students also study both the theory and use of a wide range of multivariate analytical techniques: linear and non-linear regression; discriminant analysis; cluster analysis; factor analysis; multidimensional scaling; predictive modeling of consumer behavior; and both full-profile and adaptive conjoint analysis. Extensive hands-on computer experience as well as traditional lectures and assigned reading.
Prerequisites: MKTG 240, and 442, and FINQ 270 or INFO 271.
- MKTG 440**
INTERNATIONAL RETAILING 3.0
 A study of international retailing covering such areas as: (1) retail institutions modi operandi variations from country to country, (2) effects of economic growth, cultural, legal-political and technological environment, (3) the West versus less developed countries in Asia, Africa, Latin America and the emerging free Eastern Europe, (4) know-how of retailing; business concepts, operating policies, managerial dimensions, (5) foreign direct investments in retailing.
Prerequisite: MKTG 346.
- MKTG 442**
MARKETING RESEARCH 3.0
 A broad overview of the many methods used to collect consumer, business and market data and turn it into useful information for marketing decision-makers. Starting with the historical factors leading to development of MR in America, this course touches on all the vital theories, methods, and practices: secondary research (including databases and computer literature searches); qualitative (focus group) research; quantitative research (observational, surveys and experiments); data analysis (coding, tabulation, and an introduction to multivariate techniques); and effective communication of research findings (written reports, personal presentations, computer graphics and mapping.) The course includes student research projects, field trips and a MR videotape series produced at MSU, as well as traditional lectures.
Prerequisite: MKTG 240, and FINQ 270 or INFO 271.
- MKTG 443**
BUSINESS TO BUSINESS MARKETING 3.0
 A managerial approach to marketing decision marketing from an organizational buyer perspective. Topics include: vendor and value-chain analysis, understanding JIT/cycle time systems and inventory controls; sales forecasting, market planning and strategy development grounded in a fundamental understanding of all aspects of organizational buyer dynamics.
Prerequisite: MKTG 240.
- MKTG 446**
MARKETING STRATEGY AND IMPLEMENTATION 3.0
 An analysis of the marketing planning process in relationship to overall corporate strategic planning framework is presented from both a theoretical and a practical perspective. An increased understanding of the many variables involved in marketing decision-making and an awareness of current, more sophisticated techniques used in such problem solving are analyzed. This capstone course integrates materials from the entire marketing curriculum in an applied format utilizing group case analysis, marketing simulations and market/business plan production.
Prerequisite: Seniors only.
Prerequisite or Corequisite: MKTG 442.
- MKTG 451**
SUPERVISED WORK EXPERIENCE AND SEMINAR II 3.0
 Student is expected to work (approximately 400 hours) at an acceptable position in a retail store. The position must be more advanced in obligations and responsibilities than in MKTG 351. This course gives the student the opportunity to utilize the knowledge and experience obtained in the previous summer's work experience. This more challenging and different position helps the student understand the more complex responsibilities of a retail store. A faculty visitation on the job site is made.
Prerequisite: MKTG 351.
- MKTG 482**
INDEPENDENT-OWNED AND FRANCHISED RETAILING 3.0
 The opportunities and challenges of independent and franchised retail entrepreneurship are explored. Emphasis is placed on the steps necessary to establish a new retail venture and how to successfully compete with the discount mass merchandisers which proliferate today's retail landscape.
Prerequisites: MKTG 240.
- MKTG 483**
SEMINAR IN RETAIL MANAGEMENT 3.0
 Students analyze current trends/problems in the major retail segments and study the "best practices" of the top domestic and international retailers. In addition, the various ethical/legal dilemmas confronting today's retail executive are explored. Visiting experts, field trips, and reading assignments from current retail trade journals are utilized to keep the course on the "cutting edge." Students routinely use computer spreadsheets to analyze various retail problems and assist their decision-making.
Prerequisites: Departmental approval.

MKTG 490
MARKETING INTERNSHIP 3.0
Working with public and private organizations (for profit), students are afforded an opportunity to apply classroom theoretics to real-world job situations. Illustrative engagements include team coordinated marketing research and advertising effectiveness studies; sales assistantships, public relations and retailing and distribution experiences. Market analysis and product feasibility and assessment exposures are accompanied by more organizationally tailored practical experiences in cultivating the student's resume.
Prerequisite: Departmental approval.

MKTG 491
MARKETING CO-OP 1.0-8.0
An opportunity for the student to work in a marketing environment for a semester. Interested students should contact the Department of Cooperative Education. Note: Three credits may be granted to the student's major free elective category dependent on the nature of the job experience; if this exposure does not meet the above criteria, it may be used for free elective credits.
Prerequisite: Departmental approval.

MKTG 492
INDEPENDENT STUDY IN MARKETING 1.0-3.0
An opportunity for a student to study or engage in a topic currently not covered in existing course selections or to take a required course normally given, but unavailable in conventional format.
Prerequisite: Departmental approval.

MKTG 493
SPECIAL TOPICS IN MARKETING 1.0-3.0
An examination of topics not covered in normal marketing course work. Course to be given on demand with topics varying according to current issues arranged between faculty and student.
Prerequisite: Departmental approval.

MKTG 499
CURRENT TOPICS IN MARKETING 3.0
Students are afforded an opportunity to cultivate team-building and communication skills (verbal and written format) as they engage in addressing current issues and problems in the field of marketing and global management. Presentation skills are honed utilizing the most current audio visual and computerized hardware and software enhancements. A market/customer-driven Total Quality Management (TQM) focus aimed at cultivating sustainable competitive advantage underlies the process.

MATHEMATICAL SCIENCES

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Helen Marcus Roberts

Mathematics, statistics and physics are essential areas of knowledge in the modern quantitative and technological world. In order to equip students with proper skills, the department offers major and minor programs in both mathematics and physics. Within the Mathematical Sciences department, students may major in Mathematics, or in Mathematics with a concentration in Applied Mathematics, or major in Mathematics with certification as a teacher of mathematics, major in Physics, or major in Physics with certification as teacher of physics. All options lead to a Bachelor of Science degree. With the appropriate choice of elective courses, students are prepared for graduate study, research, teaching or technical work in industry and commerce. There are honors programs in mathematics and physics for qualified students.

The coordinator of undergraduate advising is the department's resource for specific information such as advanced placement, transfer credits, dual majors, Cooperative Education and independent study.

Mathematics Major (B.S.)

Required Courses (22 semester hours)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 425 Advanced Calculus I	3
OR	
MATH 431 Foundations of Modern Algebra	3

Electives (15 semester hours)

Select 15 semester hours from the following:

CMPT 363 Introduction to Numerical Computing	3
MATH 350 College Geometry	3
MATH 398 Vector Calculus	3
MATH 420 Differential Equations	4
MATH 423 Complex Variables	3
MATH 425 Advanced Calculus I	3
MATH 426 Advanced Calculus II	3
MATH 428 Topology	3
MATH 431 Foundations of Modern Algebra	3
MATH 433 Theory of Numbers	3
MATH 436 Elements of Logic	3
MATH 440 Statistical Methods	3
MATH 441 Statistical Computing	3
MATH 443 Introduction to Mathematical Statistics	3
MATH 450 Foundations of Geometry	3
MATH 460 Introduction to Applied Mathematics	3
MATH 463 Numerical Analysis	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3
MATH 469 Mathematical Modeling	3
MATH 471 Selected Topics in Modern Mathematics	3
MATH 490 Honors Seminar	3
MATH 495 Topics for Undergraduates	I-3
MATH 497 Research I	I-3
MATH 498 Research II	I-3

Collateral Courses (11 semester hours)

CMPT 183 Foundations of Computer Science I	3
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Mathematics Major (B.S.)

Applied Mathematics Concentration

Required Courses (28 credits)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 469 Introduction to Mathematical Modeling	3
CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3

Emphasis (9 semester hours)

Students specialize by taking three courses (9 semester hours) in one of the following two tracks:

Track I - Discrete Applied Mathematics and Operations Research

CMPT 285 Discrete Mathematical Structures	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3

Track 2 - Statistics

MATH 440 Statistical Methods	3
MATH 441 Statistical Computing	3
MATH 443 Introduction to Mathematical Statistics	3

Elective Mathematics Courses (12 semester hours)

Select at least 12 s.h. of from the following approved list of courses:

CMPT 285 Discrete Mathematical Structures	3
MATH 398 Vector Calculus	3
MATH 420 Differential Equations	4
MATH 423 Complex Variables	3
MATH 425 Advanced Calculus I	3
MATH 426 Advanced Calculus II	3
MATH 428 Topology	3
MATH 431 Foundations of Modern Algebra	3
MATH 440 Statistical Methods	3
MATH 441 Statistical Computing	3
MATH 443 Introduction to Mathematical Statistics	3
MATH 460 Introduction to Applied Mathematics	3
MATH 463 Numerical Analysis	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3
MATH 490 Honors Seminar	3
MATH 495 Topics for Undergraduates	I-3
MATH 497 Research I	I-3
MATH 498 Research II	I-3

Collateral Courses (7 - 9 semester hours)

One of the following sequences:

1. PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
2. CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
3. BIOL 121 The Plant Kingdom	4
BIOL 215 Human Heredity	3
4. GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
5. ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
6. ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3

Mathematics Major (B.S.)

Teacher Education

Required Courses (25 credits)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 350 College Geometry	3
MATH 431 Foundations of Modern Algebra	3

Electives (Select at least 12 semester hours)

CMPT 363 Introduction to Numerical Computing	3
MATH 398 Vector Calculus	3
MATH 420 Differential Equations	4
MATH 423 Complex Variables	3
MATH 425 Advanced Calculus I	3
MATH 426 Advanced Calculus II	3
MATH 428 Topology	3
MATH 433 Theory of Numbers	3
MATH 436 Elements of Logic	3
MATH 440 Statistical Methods	3
MATH 441 Statistical Computing	3
MATH 443 Introduction to Mathematical Statistics	3
MATH 450 Foundations of Geometry	3
MATH 460 Introduction to Applied Mathematics	3
MATH 463 Numerical Analysis	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3
MATH 469 Mathematical Modeling	3
MATH 471 Selected Topics in Modern Mathematics	3
MATH 490 Honors Seminar	3
MATH 495 Topics for Undergraduates	1-3
MATH 497 Research I	1-3
MATH 498 Research II	1-3

Collateral Courses (11 semester hours)

CMPT 183 Foundations of Computer Science I	3
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Additional mathematics courses needed for certification can also be obtained from the department.

Second Teaching Field in Mathematics

Those students majoring in another field who wish to teach mathematics as a second field must take an approved 34 semester hour program in mathematics, including one course in computer science, as well as their major field requirements and the Praxis II exam. Specific requirements may be obtained from the department's Certification Advisor.

Mathematics Minor

Required Courses (19 semester hours)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
One approved 300 or 400 math major elective course	3
At least 9 semester hours must be taken at Montclair State University.	

Physics Major

Required Courses (24 semester hours)

	Semester Hours
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 210 Mechanics	4
PHYS 240 Electricity and Magnetism	4
PHYS 350 Optics	4
PHYS 460 Modern Physics	4

Collateral Courses (27 semester hours)

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CMPT 183 Foundations of Computer Science I	3
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 420 Differential Equations	4

Electives (Departmental)

Select 14 semester hours from the appropriate list to be obtained from the department 114

Physics Minor

Required Courses

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 240 Electricity and Magnetism	4
Plus either Option A or Option B:	

Option A

PHYS 210 Mechanics	4
PHYS Physics elective	3

Option B

Select two

PHYS 242 Circuit Theory	3
PHYS 245 Electronics and Digital Techniques	3
PHYS 247 Microprocessors and Their Applications	3

Total Semester Hours 18-19

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Physics majors, with some additional chemistry courses, can qualify for the Physical Science Teaching Certificate.

Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the department's coordinator of undergraduate advising.

Courses of Instruction Mathematics

MATH 050

BASIC SKILLS MATH I:

COMPUTATION AND ELEMENTARY ALGEBRA

3.0

Fundamental operations on real numbers. Introduction to algebra including linear equations and the development of algebraic manipulative skills. Estimation. Problem solving. Use of hand-held calculators. Credits not usable toward graduation.

MATH 051

BASIC SKILLS MATH II: ALGEBRA

3.0

Basic elementary algebra course, includes fundamental algebraic processes, linear and quadratic equations, graphing and applications. Credits not usable toward graduation.

MATH 060

BASIC SKILLS MATHEMATICS LABORATORY -

COMPUTATION

3.0

Review of the fundamental arithmetic operations of real numbers. Whole numbers, fractions, decimals, percents, ratios, word problems and estimation are covered. Topics from elementary algebra may also be included. Credits not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only.

MATH 061

BASIC SKILLS MATHEMATICS LABORATORY - ALGEBRA

3.0

Review of elementary algebra, including fundamental algebraic processes, linear and quadratic equations, graphing, word problems and applications. Credit not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only.

MATH 100

INTERMEDIATE ALGEBRA

3.0

Topics include sets, relations, functions, development of number systems and algebraic operations. Students who received high school credit for Intermediate Algebra may not receive degree credit for MATH 100.

Prerequisite: MATH 051 or 061 or satisfactory performance on both of the mathematical components of the Montclair State University Placement Test (MSUPT) or satisfactory performance on the department's Algebra Readiness Test. Not for majors in the College of Science and Mathematics.

MATH 103

THE DEVELOPMENT OF MATHEMATICS

3.0

The growth and development of mathematics from ancient to modern times; contributions of the great mathematicians. Meets the General Education Requirement - Mathematics, Mathematics.

Prerequisite: MATH 051 or 061 or satisfactory performance on both of the mathematical components of the MSUPT. Not for majors in the College of Science and Mathematics.

MATH 104

FRACTALS AND INFINITY

3.0

A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy; and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Cross listed with the Honors Program, HONP 104. Meets the General Educational Requirement - Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or satisfactory performance on both of the mathematical components of the MSUPT.

MATH 106

CONTEMPORARY APPLIED MATH FOR EVERYONE

3.0

The impact of modern mathematics on today's society in terms of management decision making, data collection and planning, social choice, including voting and apportionment, population studies, measurements of size and shape, as presented by the video series "For All Practical Purposes," produced by the Consortium for Mathematics and its Application (COMAP). Meets the General Education Requirement - Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or satisfactory performance on both of the mathematical components of the MSUPT.

MATH 109

STATISTICS

3.0

Introduction to the use and misuse of statistics. Topics include: analysis and presentation of data, variability and uncertainty in data, techniques of statistical inference and decision-making. Meets the General Education Requirement - Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or satisfactory performance on both of the mathematical components of the MSUPT. Not for majors in Mathematics (MATH); Mathematics, Applied Mathematics concentration (MAAM); or Mathematics, Teacher Education (MTED).

MATH 111

APPLIED PRECALCULUS

4.0

This course covers topics including trigonometric, exponential, logarithmic, rational, and polynomial functions, that basic to success in the calculus sequence. Includes applications to Biology, Molecular Biology, and other empirical sciences. Uses graphics calculators extensively. May be substituted for MATH 112 (Precalculus Mathematics).

Prerequisite: MATH 100 or satisfactory performance on the MSUPT and a satisfactory score on the department's Precalculus Readiness Test.

MATH 112

PRECALCULUS MATHEMATICS

3.0

Binomial theorem, relations and functions, exponential and logarithmic functions, right triangle trigonometry, circular functions.

Prerequisite: MATH 100 or satisfactory performance on MSUPT and a satisfactory score on the department's Precalculus Readiness Test.

MATH 113

MATHEMATICS FOR BUSINESS I: LINEAR ALGEBRA

3.0

Matrices, linear programming, probability, statistics.

Prerequisite: MATH 100 or satisfactory performance on MSUPT.

MATH 114

MATHEMATICS FOR BUSINESS II: CALCULUS

3.0

The general aim of this course is to introduce the students to the basic skills of differentiation, integration, maxima-minima problems and several of the other applications of calculus, including modeling, especially models in business and economics.

Prerequisite: MATH 100 or satisfactory performance on MSUPT.

MATH 116

CALCULUS A

4.0

Differentiation and integration of functions, including trigonometric functions. Applications to biology and geoscience. Not for math, chemistry or physics majors. Meets the General Education Requirement - Mathematics, Mathematics.

Prerequisite: MATH 111 or 112.

MATH 122

CALCULUS I

4.0

Limits, continuity; derivative and differentiation; applications of the derivative, maxima, minima, and extreme considerations; antiderivatives; Riemann integral. Meets the General Education Requirement - Mathematics, Mathematics.

Prerequisites: MATH 111 or 112 and a satisfactory score on the department's Calculus Readiness Test.

MATH 221

CALCULUS II

4.0

Riemann integral applications, transcendental functions, techniques of integration, improper integrals, L'Hospital's rule, infinite series. Meets the General Education Requirement - Mathematics, Mathematics.

Prerequisite: MATH 122.

MATH 222

CALCULUS III

4.0

Vector algebra; partial differentiation, and extreme considerations; polar, cylindrical, and spherical coordinates, multiple integration; introduction to line integrals.

Prerequisite: MATH 221.

MATH 335

LINEAR ALGEBRA

4.0

Vectors, vector spaces in 2, 3, and n-dimensions, systems of linear equations, matrices, determinants, linear transformations, and applications.

Prerequisite: MATH 221.

MATH 340
PROBABILITY 3.0
 Chance and variability, elements of combinatorics, Bayes' theorem, random variables, binomial, poisson and normal distributions, applications to statistics.
Prerequisite: MATH 221.

MATH 350
COLLEGE GEOMETRY 3.0
 Study of Euclidean and other geometries from an axiomatic point of view.
Prerequisite: MATH 221.

MATH 398
VECTOR CALCULUS 3.0
 Topics include the algebra of the differential and integral calculus, gradients, divergence and curl of a vector field, and integral theorems together with applications drawn from the physical sciences.
Prerequisite: MATH 222.

MATH 410
APPLIED COMBINATORICS AND GRAPH THEORY 3.0
 Problem solving by counting, enumeration, and graph theory. Permutation, combinations, binomial coefficients, generating functions, recurrence relations, partitions, inclusion-exclusion, Polya's formula, graph theoretic models, trees, circuits, networks, matching, and their applications to puzzles, games, tournaments, traffic patterns, transportation.
Prerequisite: MATH 340.

MATH 420
DIFFERENTIAL EQUATIONS 4.0
 First order differential equations, partial derivatives and exact differentials, linear differential equations, numerical approximation, series solution, matrices, and systems of equations.
Prerequisite: MATH 221.

MATH 423
COMPLEX VARIABLES 3.0
 This course is a study of the arithmetic and algebra of complex numbers, and an introduction to the differentiation and integration of complex functions. Topics include: rectangular and polar form of complex numbers, algebra of complex numbers, differentiation, Cauchy-Riemann equations, and contour integrals.
Prerequisite: MATH 222.

MATH 425
ADVANCED CALCULUS I 3.0
 Properties of the real number system, limits, continuous functions, intermediate value theorem, derivative, Mean value theorem, Riemann integral.
Prerequisite: MATH 222.

MATH 426
ADVANCED CALCULUS II 3.0
 Functions of several variables, partial derivatives, Green's theorem, Stoke's theorem, divergence theorem, implicit function theorem, inverse function theorem, infinite series, uniform convergence.
Prerequisite: MATH 425.

MATH 428
TOPOLOGY 3.0
 Topological spaces, metric spaces, continuity, compactness, connectedness, and separability properties; topological generalizations of basic continuity theorems of advanced calculus.
Prerequisite: MATH 425.

MATH 431
FOUNDATIONS OF MODERN ALGEBRA 3.0
 Fundamental concepts of algebra including groups, rings, integral domains and fields, with important examples.
Prerequisite or corequisite: MATH 335.

MATH 433
THEORY OF NUMBERS 3.0
 Properties of integers, congruences, quadratic reciprocity law, primitive roots, diophantine equations, continued fractions, algebraic numbers, lattice points and partitions.
Prerequisite: MATH 221.

MATH 440
STATISTICAL METHODS 3.0
 Applications of statistical methods: estimation, hypothesis testing, inference, enumeration data, correlation, regression, analysis of variance, nonparametric methods and elementary experimental design.
Prerequisite: MATH 221.

MATH 441
STATISTICAL COMPUTING 3.0
 This course is designed: (1) to acquaint students with the use of the computer in solving statistical problems, and (2) to develop intermediate level statistical methodology. Several statistical computing packages and the student's own programs will be utilized.
Prerequisites: MATH 440 and computer experience.

MATH 443
INTRODUCTION TO MATHEMATICAL STATISTICS 3.0
 Develops statistical methods from probability theory. Topics discrete and continuous probability distributions, estimation, inference and hypothesis testing.
Prerequisites: MATH 340 and 440.

MATH 450
FOUNDATIONS OF GEOMETRY 3.0
 Groups of transformations, an introduction to projective geometry.
Prerequisite: MATH 221.

MATH 463
NUMERICAL ANALYSIS 3.0
 Finite differences, approximation theory, linear and non-linear equations, error analysis.
Prerequisites: MATH 222 and 335.

MATH 464
OPERATIONS RESEARCH I 3.0
 Linear programming, transportation problem, assignment problem, duality, sensitivity analysis, network flows, dynamic programming, nonlinear programming, integer programming.
Prerequisite: MATH 335.

MATH 465
OPERATIONS RESEARCH II 3.0
 Game theory, queuing models, inventory models, Markov processes, reliability theory and applications.
Prerequisites: MATH 335 and 340.

MATH 469
MATHEMATICAL MODELING 3.0
 The art of constructing mathematical models for "real world" problems, solving the model, and testing the accuracy of the model. Problems will be selected from business, science, computer science, and the social sciences.
Prerequisites: MATH 335, and 340, and MATH 440 or 464.

MATH 470
TEACHING OF MATHEMATICS 4.0
 Selection, organization, and presentation of secondary mathematics, classroom activities, lesson planning, techniques of motivation, evaluation, multisensory aids, principles of learning, and applications of the microcomputer to classroom teaching.
Prerequisite: Admission to Teacher Education Program.

MATH 471
SELECTED TOPICS IN MODERN MATHEMATICS 3.0
 Professionalized view of junior and senior high school mathematics topics: functions, real and complex numbers, analytic geometry, absolute value and inequalities, sets and logic, flow charting, linear programming.
Prerequisite: Admission to Teacher Education Program.

MATH 475
HISTORY OF MATHEMATICS 3.0
 Histories of geometry, number theory, algebra, calculus and infinite processes.
Prerequisite: MATH 221.

MATH 490
HONORS SEMINAR 3.0
This course will concentrate on subject matter not usually covered within standard mathematics courses. A written and oral report are required.
Prerequisite: Departmental approval.

MATH 495
TOPICS FOR UNDERGRADUATES 1.0-3.0
Study of advanced topics in undergraduate mathematics.
Prerequisite: Departmental approval.

MATH 497
RESEARCH I 1.0-3.0
Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.
Prerequisite: Departmental approval.

MATH 498
RESEARCH II 1.0-3.0
Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.
Prerequisite: Departmental approval.

Courses of Instruction Physics

PHED 401
THE TEACHING OF SCIENCE IN SECONDARY SCHOOLS 4.0
Considered are the objectives, curriculum, planning, instructional strategies appropriate to science, materials, methods of evaluation, health safety and legal responsibilities in the secondary science program. The use of computers in the science instructional program will also be emphasized.

PHYS 100
CONCEPTS IN SCIENCE 4.0
This is a one-semester physical science course with laboratory designed for those students not majoring in science areas. This course will introduce the student to methods of science while teaching some principles of physical science and some of their applications. Topics discussed include: energy and motion; heat, energy and solar heating; sound and noise; light, lenses and fiber optics. (3 hours lecture, 2 hours laboratory). Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.

PHYS 104
HISTORY OF SCIENCE 3.0
The historical and philosophical development of science traced from the ancient Egyptians to the present. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science only.

PHYS 106
SCIENCE AND SOCIETY 3.0
This is a one semester course for nonscience majors designed to provide a knowledge of some of the principles of physical science and to indicate how they are related to society. Formal laboratory is not included in the course. Topics discussed vary but may include such areas as: science, a human activity; man and energy; radiation and man; electricity and man; nuclear power and man; and others. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.

PHYS 180
DESCRIPTIVE ASTRONOMY 3.0
For the general student. A discussion of our place in the universe from ancient ideas to modern data on the moon, planets, comets, stars, galaxies and quasars. The formation and evolution of planets, stars, black holes and the universe as a whole reveal our place in time. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science Only.

PHYS 191
UNIVERSITY PHYSICS I 4.0
This one-semester calculus-based course including laboratory is a study of the principles of physics and some applications to society's problems. Topics covered include mechanics, thermodynamics, fluids, and harmonic motion. (3 hours lecture, 2 hours laboratory.) Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite or corequisite: MATH 122. Special fee.

PHYS 192
UNIVERSITY PHYSICS II 4.0
Calculus-based course. Study of some principles of physics and some applications to society's problems. Topics include: wave motion, sound and noise pollution, optics, electricity, lasers, nuclear theory, radiation, nuclear reactors, waste disposal. (3 hours lecture, 2 hours laboratory.) Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite or corequisite: MATH 221. Special fee.

PHYS 193
COLLEGE PHYSICS I 4.0
This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include mechanics, heat and thermodynamics, wave motion and sound, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.

- PHYS 194**
COLLEGE PHYSICS II 4.0
 This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include optics, electricity and magnetism, and an introduction to modern and nuclear physics, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.
- PHYS 205**
SCIENTIFIC PRINCIPLES OF TECHNOLOGY 3.0
 The practical implications of physical concepts on technology will be studied, emphasizing how technical machines work. Cross listed with Curriculum and Teaching, INDS 205.
- PHYS 210**
MECHANICS 4.0
 Classical mechanics: Kinematics, Newton's laws, impulse and momentum, statics, work and energy, oscillations, general motion, central force motion, non-inertial frames, system of particles, methods of handling data. (3 hours lecture, 2 hours laboratory.)
Prerequisite: PHYS 191.
- PHYS 240**
ELECTRICITY AND MAGNETISM 4.0
 Basic principles of electromagnetism: Coulomb's law and general techniques in electrostatics, currents and their associated magnetic field, electromagnetic induction and magnetic properties of materials. Foundations of Maxwell's equations (without detailed solutions). Laboratory experiments. (3 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192.
Prerequisite or Corequisite: MATH 222.
- PHYS 242**
CIRCUIT THEORY 3.0
 Introduces basic methods in circuit analysis and design. Topics include linear electric circuits and their response, circuit theorems, filters, Fourier analysis of different inputs and outputs, and transmission lines. (2 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192 or both PHYS 194 and MATH 221.
- PHYS 245**
ELECTRONICS AND DIGITAL CIRCUITS 3.0
 An introduction to the principles of amplifiers, waveform generators, and digital circuits, with emphasis on the use of commonly available integrated circuit packages. (2 hours lecture, 2 hours laboratory)
Prerequisite: PHYS 192 or 194.
- PHYS 247**
MICROPROCESSORS AND THEIR APPLICATIONS 3.0
 One semester course providing an introduction to the principles, operations and applications of microprocessors including experiment control and data manipulation. (2 hours lecture, 2 hours laboratory.)
Prerequisite: PHYS 192 or 194.
- PHYS 280**
ASTRONOMY 4.0
 Application of physical laws to the earth as a planet; nature of the other planets; orbital motion and space flight; origin of the solar system; the birth, life and death of a star galactic structure; and cosmology. (3 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 191 and 192 or 193 and 194.
- PHYS 310**
ADVANCED MECHANICS 3.0
 Classical mechanics; transformation, oscillators, generalized motion; Lagrange's equations; Hamilton's equation; small oscillations; wave propagation. Offered alternate years.
Prerequisites: MATH 222 and MATH 420 and PHYS 210.
- PHYS 320**
THERMODYNAMICS 3.0
 Thermodynamic systems; laws of thermodynamics; entropy; kinetic theory; transport processes; statistical thermodynamics. Offered alternate years.
Prerequisites: MATH 222 and PHYS 210.
- PHYS 350**
OPTICS 4.0
 Propagation of light, optical components, instruments and photometry. Interference, diffraction and polarization with elements of spectroscopy. (3 hours lecture, 2 hours laboratory.) Offered alternate years.
Prerequisite: PHYS 240.
- PHYS 377**
MATHEMATICAL PHYSICS 3.0
 Vector analysis, complex variables, ordinary and partial differential equations, matrices. Not offered every year.
Prerequisite: 2 years of physics and MATH 222.
- PHYS 410**
FLUID MECHANICS 3.0
 The study of the mechanics of the continuous media. Topics will include: fluid statics; basic laws governing fluid systems and control volumes; viscous flows; dimensional analysis and similitude, and potential flow.
Prerequisite: PHYS 240.
- PHYS 430**
COMPUTER SIMULATIONS OF PHYSICAL SYSTEMS 3.0
 This course applies computer techniques and numerical analysis to model physical systems. Simulations and calculations will be done of falling bodies, gravitational orbits, scattering, oscillations, electrical circuits, molecular dynamics, Monte Carlo techniques, chaos, and quantum systems.
Prerequisites: MATH 221, PHYS 191, PHYS 192 and CMPT 183.
- PHYS 443**
COMPUTER-AIDED DRAFTING: AN INTRODUCTION 3.0
 Students will study the command structure of AutoCad to create, modify and manage CAD drawings and designs. Various applications in graphic communication will be explored with practical hands-on lab sessions. Experience with computers or technical graphics is not required. Cross listed with Curriculum and Teaching, INDS 443.
- PHYS 460**
MODERN PHYSICS 4.0
 Special relativity, kinetic theory of matter; quantization of electricity, light and energy; nuclear atom; elementary quantum mechanics and topics on solid state. (3 hours lecture, 2 hours laboratory.) Offered alternate years.
Prerequisites: PHYS 210 and 240.
- PHYS 462**
NUCLEAR PHYSICS 4.0
 Nuclear radiation; radioactive decay; detectors; nuclear spectroscopy and reactions; theories and models; fission, fusion, reactors; and application of radioisotopes. (3 hours lecture, 2 hours laboratory.) Offered alternate years.
Prerequisites: PHYS 210 and 240.
- PHYS 490**
LITERATURE RESEARCH IN PHYSICS 2.0
 Student considers topics in physics and gains facility in literature research techniques: topics in pure physics or related to physics education. Students intending to enroll in laboratory research in physics should use PHYS 490 to provide the literature research related to his/her laboratory problem. Not offered every year.
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.
- PHYS 495**
LABORATORY RESEARCH IN PHYSICS 1.0-4.0
 Solution of a laboratory problem; research in pure physics or in physics education; written report required. Not offered every year.
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

MUSIC

SCHOOL OF THE ARTS

Chairperson: Ruth Rendleman

The Department of Music stresses performance skills, breadth of musical understanding and work in the liberal arts. The department is accredited by the National Association of Schools of Music and is approved by the American Music Therapy Association. Two degrees are offered, the Bachelor of Music and the Bachelor of Arts. Also offered is a combined B.A./B.Mus. program.

Concentrations available within the Bachelor of Music degree program are Performance and Theory/Composition. Concentrations available within the Bachelor of Arts degree program are Music Therapy and Music Education.

There is a music minor available to qualified students.

Entrance Requirements

General

Those who wish to major or minor in music must have an interview and an audition on a primary instrument or voice. Prospective music majors should be able to show musicality, primary and secondary performing skills and knowledge of elementary music theory. Audio- and video-taped auditions are a rare exception to Departmental policy, and therefore must be approved in advance. The Department will allow prospective music majors to audition up to twice within one academic year, and a maximum of three times. It is important to have studied music seriously throughout high school. Participation in choral and/or instrumental groups and piano study are required for all applicants.

Primary instrument audition (vocal and instrumental)

Required of all prospective students. The audition consists of prepared repertory, preferably covering a range of styles, and of technical exercises, etudes, scales and sight reading; it generally lasts ten to fifteen minutes.

Music reading test

Required of all prospective students. Prospective students must demonstrate their proficiency in reading treble and bass clefs and their ability to sing intervals and to sight read simple melodies and rhythms. Prospective students who are judged deficient in these skills but seem to have sufficient talent to warrant admission will be required to take a pre-theory course which carries no credit toward graduation.

Interview/Portfolio review

Required of all prospective students wishing concentrations in education, music therapy, and theory/composition. The interviews for education and music therapy are intended to give the faculty a sense of a prospective student's knowledge of, interest in and fitness for the field in question. The theory/composition interview is normally accompanied by inspection of a prospective student's portfolio of compositions, arrangements and/or analyses. Prospective students wishing to concentrate in theory/composition should be prepared to present such a portfolio.

Music theory placement test

Required of all prospective students who have taken college level theory courses; optional for others. The test is designed for placement purposes and is normally not a factor in arriving at an admissions decision.

Music history syllabus review

Required of all prospective students who have taken college level music history courses. Transfer applicants who wish to transfer their music history credits must submit a course syllabus for each music history course for faculty review and approval.

Secondary instrument audition (vocal and instrumental)

Optional. A prospective student who has developed proficiency in a second instrument (or in voice) may audition on that instrument (or in voice). Once enrolled, Departmental approval is required for private study on a secondary instrument.

Secondary piano placement test

Optional. All students (other than keyboard majors) must take four semesters of secondary piano. Prospective students (other than keyboard players) who have taken some piano and wish to be exempt from some or all of the secondary piano requirement should take a secondary piano test at the time of audition.

Final Admission to Program

Theory/Composition

Final admission in junior year; in addition to full audition requirements, candidates must submit a portfolio of compositions and/or analytical sketches before completion of sophomore year.

Music Therapy

Final admission in junior year; in addition to full audition requirements, all credentials (including reports of clinical experience) will be evaluated at the end of sophomore year.

Performance

Provisional acceptance is determined by an Applied Music jury at the end of the freshmen year unless a postponement to the middle of the sophomore year is requested by the major teacher. Full admission is delayed until completion of a sophomore recital and/or demonstration of a solid grasp of the technical aspects of the performing medium and genuine musicality and sensitivity.

Music Education

Final admission is granted only after an interview and review of credentials toward the end of the sophomore year.

Comprehensive Examination/Assessment

At the end of the sophomore year, all students must demonstrate comprehensive musicianship in the performing primary, functional keyboard skills, theoretical and practical skills, secondary vocal skills and other materials germane to the student's concentration. Continuation as a music major is dependent upon adequate performance in these areas.

Applied Music Requirements for Graduation

All music students must study with members of Montclair State faculty. There is an applied music fee, in addition to tuition, which must be paid for private instruction.

Students concentrating in performance will present a recital before the end of the junior year and another in the senior year. Students concentrating in music education will present a recital in the senior year. Students concentrating in theory/composition will present a recital of original compositions in the senior year.

Piano students are expected to accompany at a level of ability designated by their teachers and to participate actively in the musical life of Montclair State and the community.

All students are expected to perform during performance practicum at least once each year of primary study.

Secondary instruction beyond the minimum requirements is available when schedules and other considerations allow.

Performance Practicum Requirements for Graduation

Each week the Department of Music sponsors mid-day performances, master classes, and lecture/recitals by students, faculty, and guests. Every music major must register for MUPR 039, *Performance Practicum* (0 credit) or MUPR 040 *Performance Practicum for Performance majors* (0.5 credit), for eight semesters or every semester of attendance at Montclair State University.

Ensemble Requirements for Graduation

The ensemble policy is based on the principle that all students must perform in ensemble(s) every semester of their attendance at Montclair State in order to assure the broadest possible experience in important ensemble repertoire and to assure that these ensembles have the needed instrumentation for successful performance. Although minimum requirements vary with each concentration, this principle is the overriding one. Students will be expected to perform in their primary ensemble during each semester of attendance.

Students may be assigned by the department chairperson to an ensemble in accordance with the needs of the department, regardless of the satisfaction by the student of his minimum requirements.

Where admission to a chamber ensemble is by audition and a student fails to gain admission, additional performance in a large ensemble may, with the chairperson's consent, be substituted. Chamber ensembles must perform once a semester, either on recital or for a jury.

Any changes in the ensemble policy will be posted in the Music Department.

Music Education: majors in voice, keyboards or guitar

6 semesters of Choir (MUPR 030)
2 semesters of laboratory band/laboratory orchestra
2 semesters of Jazz Ensemble (MUPR 302)
2 semesters of chamber ensemble *

Music Education: majors in stringed instruments

6 semesters of Orchestra (MUPR 031)
2 semesters of Choir (MUPR 030)
2 semesters of Jazz Ensemble (MUPR 302)
2 semesters of chamber ensemble*

Music Education: majors in brass, woodwinds, percussion

6 semesters of Orchestra or Band as assigned (MUPR 031 or 032)
2 semesters of Choir (MUPR 030)
2 semesters of Jazz Ensemble (MUPR 302)
2 semesters of chamber ensemble *

Performance: majors in voice

8 semesters of Choir (MUPR 030)
4 semesters of chamber ensemble, including MUPR 034 Opera Workshop,
MUPR 020 Madrigal Singers, MUPR 038 Collegium Musicum
4 elective semesters

Performance: majors in guitar

8 semesters of chamber ensemble*
4 semesters of Choir (MUPR 030)
4 elective semesters

Performance: majors in stringed instruments

8 semesters of Orchestra (MUPR 031)
4 semesters of chamber ensemble*
4 elective semesters

Performance: majors in brass, woodwinds, percussion

8 semesters of Band or Orchestra as assigned (MUPR 032, 031)
2 semesters of Choir (MUPR 030)
3 semesters of chamber ensemble *
3 elective semesters

Performance: majors in keyboard instruments

8 semesters of Choir (MUPR 030)
5 semesters of chamber ensemble *
3 elective semesters

Theory/Composition: majors in voice, guitar

4 semesters of Choir (MUPR 030)
8 semesters of chamber ensemble *
4 elective semesters

Theory/Composition: majors in stringed instruments

8 semesters of Orchestra (MUPR 031)
4 semesters of chamber ensemble *
4 elective semesters

Theory/Composition: majors in brass, woodwinds, percussion

8 semesters of Band (MUPR 032)
2 semesters of Choir (MUPR 030)
3 semesters of chamber ensemble *
3 elective semesters

Music Therapy:

6 semesters using primary instrument
2 semesters using secondary instrument

*For the purposes of the above requirements, "chamber ensemble" includes MUPR 038 Collegium Musicum, MUPR 020 Madrigal Singers, MUPR 302 Jazz Ensemble, MUPR 034 Opera Workshop, MUPR 301 Chamber Ensemble Performance and all solo/duet/trio/etc. repertoire which does not duplicate materials studied for solo recital or jury performance.

Performance Dress Code

Since the Department of Music has the training of future professional musicians as one of its major objectives, the music student is expected to dress as a professional whenever appearing before the public.

Mid-Day Recitals: No casual attire.

Solo Recitals: Formal wear or ensemble wear.

Ensembles: At the discretion of the director, normally black.

Instrumental Rental

A fee of \$50 (subject to change) per semester is charged students who rent college-owned instruments. Summer rental is considered as a separate semester for this purpose. A separate charge is made for each instrument or each instrumental methods class.

Music Major (B.A.)

Music Education Concentration

Required Courses

	Semester Hours
MUPR 039 Performance Practicum (8 semesters)	0
MUCP 101, 102, 201, 202 Theory I-IV	12
MUCP 304 Theory VI-Orchestration	3
MUCP 103, 104, 203, 204 Aural Skills I-IV	4
MUHS 307/308 Music History I, II	6
Ensembles (see <u>Ensemble Requirements for Graduation</u> , previously listed)	6
Primary Instrument (seven semesters MPIN courses)	14
MSSN 101-104 Secondary Piano (non-keyboard majors)	4
OR	
MUCP 310, 311 Keyboard Harmony I, II (keyboard majors)	2
MUPR 335 Elementary Conducting	2
MUPR 403 Senior Recital	0
MUED 105, 205, 206, 306 Instrumental Methods (1 semester hour each)	4
MUED 200 Introduction to Music Education	2
MUED 334, 335 Choral Techniques I & II	4
MUED 132 Marching Band Techniques	2
MUED 320 Teaching Music in the Elementary Grades K-6	3
MUED 420 The Teaching of Music in Secondary Schools	3
MUED 201, 202 Practicum in Music Education I, II	2

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, students must satisfactorily complete the courses MUED 320 Teaching Music in the Elementary School and MUED 420 The Teaching of Music in Secondary Schools.

Music Therapy Major (B.A.)

Required Courses (43)

	Semester Hours
MUPR 039 Performance Practicum, 8 semesters	0
MUHS 307, 308 Music History I, II	6
MUCP 101, 102, 201, 202 Theory I-IV	12
MUCP 103, 104, 203, 204 Aural Skills I-IV	4
MUCP 401 Musical Composition	2
Ensembles (8)	4
Note: Six semesters of ensemble (for 3 semester hours) must involve the student's primary instrument. Two semesters of ensemble (for 1 semester hour) must be taken using a secondary instrument.	
MUTH 260 Methods and Materials in Music Therapy	2
MUTH 262, 263, 361, 362, 363, 364 Music Therapy Practicum I-VI	6
MUTH 306 Piano Accompanying Techniques for the Music Therapist	1
MUTH 307 Piano Improvisation for the Music Therapist	1
One of the following:	
MUGN 150 Influence of Afro-American Culture on Music	3
MUGN 160 Introduction to Music in World Cultures	3
MUGN 209 Introduction to Jazz	3
MUGN 250 Rap and Rock as Cultural Phenomena	3
One of the following conducting courses:	
MUPR 335 Elementary Conducting	2
MUED 334 Choral Techniques I	2

Keyboard Primary (16)

(in addition to required core courses)

	Semester Hours
Primary Instrument Keyboard I-IV	8
MSSN 111, 112 Secondary Instrument Voice I, II	2
MSSN 121, 122 Secondary Instrument Guitar I, II	2
MUCP 310, 311 Keyboard Harmony I, II	2
MUED 306 Percussion Instruments	1
One of the following, with permission of advisor:	
MUED 105 String Instrument I	1
MUED 205 Brass Instruments	1
MUED 206 Woodwind Instruments	1
MSSN 213 Secondary Instrument Voice III	1

String, Brass, Woodwind, and Percussion Primary (16)

(in addition to required core courses)

	Semester Hours
Primary Instrument I-IV	8
MSSN 101-104 Secondary Instrument Piano I-IV	4
MSSN 121, 122 Secondary Instrument Guitar I, II	2
MSSN 111 Secondary Instrument Voice I	1
MUED 306 Percussion Instruments (for non percussion primaries)	1
OR	
MSSN 112 Secondary Instrument Voice II (for percussion primaries) ..	1

Voice Primary (16)

(in addition to required core courses)

	Semester Hours
Primary Instrument Voice I-IV	8
MSSN 101-104 Secondary Instrument Piano I-IV	4
MSSN 121, 122 Secondary Instrument Guitar I, II	2
MUED 306 Percussion Instruments	1
One of the following, with permission of advisor:	
MUED 105 String Instrument I	1
MUED 205 Brass Instruments	1
MUED 206 Woodwind Instruments	1

Guitar Primary (16)

(in addition to required core courses)

	Semester Hours
Primary Instrument Guitar I - IV	8
MSSN 101-104 Secondary Instrument Piano I-IV	4
MSSN 111, 112 Secondary Instrument Voice I, II	2
MUED 306 Percussion Instruments	1
One of the following, with permission of advisor:	
MUED 105 String Instrument I	1
MUED 205 Brass Instruments	1
MUED 206 Woodwind Instruments	1
MSSN 213 Secondary Instrument Voice III	1

Professional Sequence	26
MUTH 100 Introduction to Music Therapy	2

MUTH 261 Therapy and Observation Skills for Music Therapy	2
MUTH 400 Music Therapy Training Group	1.5
MUTH 402 Guided Imagery and Music (GIM)	1.5
MUTH 461 Music Therapy with Children	3
MUTH 462 Music Therapy with Adults	3
MUTH 463 Psychological Foundations of Music I	3
MUTH 464 Psychological Foundations of Music II	3
MUTH 465 Internship in Music Therapy	1
PSYC 201 Child Psychology	3
PSYC 365 Abnormal Psychology	3

Required Collateral

ARTH 280 Introduction to Art Therapy	3
BIOL 110 Biology of Human Life	4
MATH 109 Statistics	3
PSYC 101 General Psychology I: Growth and Development	3
PSYC 235 Psychology of Exceptional Children and Youth	3
SOCI 204 Sociology of the Family	3

Music Major (B. Mus.)

Performance Concentration

Required Core Courses

	Semester Hours
MUPR 040 Performance Practicum for Performance Majors (eight semesters)	4
MUHS 307/308 Music History I, II	6
MUCP 101, 102, 201, 202 Theory I-IV	12
MUCP 103, 104, 203, 204 Aural Skills I-IV	4
MUPR 203, or 303, and 403 Sophomore or Junior and Senior Recitals ...	0
Ensembles (see <u>Ensemble Requirement for Graduation</u> , listed previously)	8
Primary Instrument (2 semesters of MPIN courses)	4
Major Instrument (6 semesters of MMIN courses)	24

Voice

(in addition to required core courses)

MSSN 101-104 Secondary Instrument Piano I-IV	4
MUPR 340/1, 342/3, 344/5, 346/7 Italian, French, German and English ...	
Repertory and Diction	8
French, Italian and German languages (2 semesters each)	18

Keyboard

(in addition to required core courses)

MUCP 303, 304 Theory V-Counterpoint, Theory VI-Orchestration	6
MUCP 310, 311 Keyboard Harmony I, II	2
MUPR 201, 202 Keyboard Literature I, II	4
MUPR 204 Piano Accompanying	2
MUPR 335 Elementary Conducting	2
MUPR 436, 437 Piano Pedagogy I, II	4

Instrumental

(Brass, Woodwinds, Strings, Percussion)

(in addition to required core courses)

MSSN 101-104 Secondary Instrument Piano I-IV	4
MUPR 276, 277 Instrumental Literature I, II	4
MUCP 303, 304 Theory V-Counterpoint Theory VI-Orchestration	6
MUPR 439 Pedagogy I	2
MUPR 335 Elementary Conducting	2
Elective	2

Theory/Composition Concentration

Required Courses

	Semester Hours
MUCP 101, 102, 201, 202, 303, 304 Theory I, II, III, IV, V, VI	18
MUCP 103, 104, 203, 204 Aural Skills I-IV	4
MUCP 341, 342, 443, 444 Private Study in Composition I-IV	8
MUCP 401 Musical Composition	2
MUCP 412 Electronic Music Composition	3
MUHS 307, 308, 407 Music History I, II, III	9
MUPR 039 Performance Practicum (8 semesters)	0
MUPR 335 Elementary Conducting	2
MUPR 403 Senior Recital	0
MSIN 101, 102, 103, 104 Secondary Piano I-IV (non-keyboard majors)	4
MUCP 310, 311 Keyboard Harmony I, II	
MUPR 204 Piano Accompanying (keyboard majors)	2
Music elective (keyboard majors)	2
Ensembles (see <u>Ensemble Requirements for Graduation</u> , listed previously)	8
Primary Instrument (four semesters of MPIN courses)	8
Secondary Instrument (four semesters of MSSN courses)	4
Instrumental Instruction	8
Electives	6

Combined Bachelor of Arts/ Bachelor of Music (5 year program) Degree Requirements

The combined B.A./B. Mus. is a five year program that permits the student to take the full pre-professional Bachelor of Music degree along with the full liberal arts general education program, thus also satisfying the requirements for the Bachelor of Arts. Having completed both components, the graduate is in a position either to continue in performance or composition or to undertake academic graduate work. The program is devised so that in addition to satisfying the usual requirements for both degrees, students have the opportunity to take advanced music courses usually reserved for graduate students. A coherent group of courses outside the field or a formal minor in another area may be substituted for these courses.

Required Courses - All Majors

	Semester Hours
All requirements for the Bachelor of Music in the appropriate concentration.	
All requirements for the Bachelor of Arts general education program.	
In addition:	
Primary instrument	8
MUCP 303, 304 Music Theory V and VI	6
Music history and theory electives	12

Music Minor

A. Music Skills (23 semester hours):

MUCP 101 Theory I	3
MUCP 102 Theory II	3
MUCP 103 Aural Skills I	1
MUCP 104 Aural Skills II	1
MSSN 101 Secondary Instrument Piano I*	1
MSSN 102 Secondary Instrument Piano II*	1
Primary Instrument (MPIN numbers)	8
Major ensemble (4 semesters, Choir, Band, or Orchestra)	2
MUGN 100 Introduction to Music	3
MUGN 029 Student Recital (2 semesters)	0

OR

B. Music Literature (22 semester hours):

MUCP 101 Theory I	3
MUCP 102 Theory II	3
MUCP 103 Aural Skills I	1
MUCP 104 Aural Skills II	1
MUGN 100 Introduction to Music	3
Major ensemble (4 semesters, Choir, Band, or Orchestra)	2
Music History/Literature electives (MUHS numbers)	9

OR

C. Music History/Theory (24 semester hours):

MUCP 101 Theory I	3
MUCP 102 Theory II	3
MUCP 201 Theory III	3
MUCP 202 Theory IV	3
MUCP 103 Aural Skills I	1
MUCP 104 Aural Skills II	1
MUCP 203 Aural Skills III	1
MUCP 204 Aural Skills IV	1
MSSN 101 Secondary Instrument Piano I*	1
MSSN 102 Secondary Instrument Piano II*	1
MUHS 307 Music History I	3
MUSH 308 Music History II	3

* Students with advanced keyboard skills may substitute MUCP 301 and MUCP 302 Keyboard Harmony I & II.

Courses of Instruction

Note: Students who are interested in taking Applied Music courses (MMIN, MPIN), please see the department chairperson.

MSSN 101
SECONDARY INSTRUMENT PIANO I 1.0
Keyboard skills including major and minor scales, arpeggios and chord progressions, sightreading, transposition, harmonization, improvisation. Group instruction.

MSSN 102
SECONDARY INSTRUMENT PIANO II 1.0
Continuation of MSSN 101. Group instruction.
Prerequisite: MSSN 101; Music majors or minors only.

MSSN 103
SECONDARY INSTRUMENT PIANO III 1.0
Continuation of MSSN 102. Group instruction.
Prerequisite: MSSN 102; Music majors or minors only.

MSSN 104
SECONDARY INSTRUMENT PIANO IV 1.0
Continuation of MSSN 103. A final comprehensive examination must be passed at the end of the semester. Group instruction.
Prerequisite: MSSN 103; Music majors or minors only.

MSSN 111
SECONDARY INSTRUMENT VOICE I 1.0
These courses give to the non-primary vocal student the fundamental elements of vocal technique. The same elements are taught to voice primary students in private lessons.
Prerequisite: Music majors or minors only.

MSSN 112				MUCP 303			
SECONDARY INSTRUMENT VOICE II	1.0			THEORY V-COUNTERPOINT	3.0		
Continuation of MSSN 111. Group instruction.				Study of part writing, species and free contrapuntal practices and techniques.			
<i>Prerequisite: MSSN 111; Music majors or minors only.</i>				Contrapuntal and layer analysis.			
MSSN 121				<i>Prerequisites: MUCP 202; Music majors only.</i>			
SECONDARY INSTRUMENT GUITAR I	1.0			MUCP 304			
Basic techniques of guitar playing including chording and melodic work.				THEORY VI-ORCHESTRATION	3.0		
Group instruction.				Study of compositional and arranging techniques appropriate to writing for			
<i>Prerequisite: Music majors or minors only.</i>				individual instruments and voices and for ensembles of various size and			
MSSN 122				character.			
SECONDARY INSTRUMENT GUITAR II	1.0			<i>Prerequisites: MUCP 202, Music majors only.</i>			
Continuation of MSSN 121. Group instruction.				MUCP 305			
<i>Prerequisite: MSSN 121; Music majors or minors only.</i>				AURAL SKILLS V	1.0		
MUCP 101				Continue development of skills in notating/analyzing music that is heard, or			
THEORY I	3.0			performing written music either vocally or with instruments. Exposure to large			
Study of harmony, counterpoint and musical analysis of small forms. Must be				works in open-score, using clef transposition; introduction to non-Western			
taken with MUCP 103.				musical materials and works outside of common-practice period.			
<i>Prerequisites: Music majors or minors only.</i>				<i>Prerequisite: MUCP 204; Music majors only.</i>			
<i>Corequisite: MUCP 103.</i>				MUCP 306			
MUCP 102				AURAL SKILLS VI	1.0		
THEORY II	3.0			Continue development of skills in notating/analyzing music that is heard or			
Continuation of MUCP 101. Must be taken with MUCP 104.				performing written music either vocally or with instruments. Exposure to large			
<i>Prerequisites: MUCP 101; Music majors or minors only.</i>				works in open-score using clef transposition; introduction to non-Western			
<i>Corequisite: MUCP 104.</i>				musical materials and works outside of common-practice period.			
MUCP 103				<i>Prerequisite: MUCP 204; Music majors only.</i>			
AURAL SKILLS I	1.0			MUCP 310			
Sight reading and dictation in major and minor modes, using diatonic chord				KEYBOARD HARMONY I	1.0		
progressions. Basic solfeggio. Must be taken with MUCP 101.				Skills pianists will need as professional performers, therapists, and educators.			
<i>Prerequisites: Music majors or minors only.</i>				Harmonization, transposition, improvisation, realization of figured bass,			
<i>Corequisite: MUCP 101.</i>				reduction of open scores, and sight reading.			
MUCP 104				<i>Prerequisites: MUCP 102; Music majors or minors only.</i>			
AURAL SKILLS II	1.0			MUCP 311			
Continuation of MUCP 103; must be taken with MUCP 102.				KEYBOARD HARMONY II	1.0		
<i>Prerequisites: MUCP 103; Music majors or minors only.</i>				Continuation of MUCP 310.			
<i>Corequisite: MUCP 102.</i>				<i>Prerequisites: MUCP 310; Music majors or minors only.</i>			
MUCP 150				MUCP 341			
FUNDAMENTALS OF MUSIC FOR THE NON-MAJOR	3.0			PRIVATE STUDY IN COMPOSITION I	2.0		
Introduction to music notation: reading of clefs, key signatures and their				Restricted to majors in theory/composition.			
relationship to various modes; rhythm and meter: basic harmonic structures				<i>Prerequisites: MUCP 202; Music majors only. Special fee.</i>			
(intervals, triads, and seventh chords). Sight singing and dictation stressed.				MUCP 342			
Meets the General Education Requirement - Electives, Creative Expression.				PRIVATE STUDY IN COMPOSITION II	2.0		
MUCP 201				Restricted to majors in theory/composition.			
THEORY III	3.0			<i>Prerequisites: MUCP 341, Music majors only. Special fee.</i>			
Chromatic harmony; intermediate contrapuntal techniques; analysis of the				MUCP 401			
larger instrumental forms.				MUSICAL COMPOSITION	2.0		
<i>Prerequisites: MUCP 102; Music majors or minors only.</i>				Practical exploration of the various trends in the 20th century composition.			
<i>Corequisite: MUCP 203.</i>				<i>Prerequisite: MUCP 202.</i>			
MUCP 202				MUCP 405			
THEORY IV	3.0			SELECTED TOPICS IN THEORETICAL STUDIES	1.0		
Continuation of MUCP 201. Must be taken with MUCP 204.				Research and discussion of selected topics in theoretical studies focusing on			
<i>Prerequisites: MUCP 201, Music majors or minors only.</i>				stylistic and analytical problems to be offered as short term courses. May be			
<i>Corequisite: MUCP 204.</i>				repeated for credit.			
MUCP 203				<i>Prerequisite: MUCP 304; Music majors only.</i>			
AURAL SKILLS III	1.0			MUCP 412			
Chromatic and non-tonal sight reading and dictation. "Fixed do" solfeggio. To				ELECTRONIC MUSIC COMPOSITION	3.0		
be taken with MUCP 201.				Exploration of electronic music techniques; practical experience in both			
<i>Prerequisites: MUCP 104; Music majors or minors only.</i>				concrete and synthesizer music.			
<i>Corequisite: MUCP 201.</i>				<i>Prerequisites: MUCP 202; Music majors only.</i>			
MUCP 204				MUCP 415			
AURAL SKILLS IV	1.0			THEORY PEDAGOGY	2.0		
Continuation of MUCP 203. Must be taken with MUCP 202.				A survey of pedagogical approaches to music theory.			
<i>Prerequisites: MUCP 203; Music majors or minors only.</i>				<i>Prerequisite: MUCP 202; Music majors only.</i>			
<i>Corequisite: MUCP 202.</i>							

MUCP 443			
PRIVATE STUDY IN COMPOSITION III	2.0		
Restricted to majors in Theory/Composition.			
<i>Prerequisite: MUCP 342; Music majors only. Special fee.</i>			
MUCP 444			
PRIVATE STUDY IN COMPOSITION IV	2.0		
Restricted to majors in Theory/Composition.			
<i>Prerequisite: MUCP 443; Music majors only. Special fee.</i>			
MUCP 499			
INDEPENDENT STUDY IN MUSIC THEORY/COMPOSITION	1.0-4.0		
Project and/or study area planned with sponsoring faculty member.			
<i>Prerequisite: Departmental approval.</i>			
MUED 105			
STRING INSTRUMENTS I	1.0		
Elementary playing skills, violin being the basic instrument for all who lack string experience; materials and methods for beginning string classes. Music majors only.			
<i>Prerequisite: Music majors only.</i>			
MUED 132			
MARCHING BAND TECHNIQUES	2.0		
Methods, organization and planning; drill design, playing, rehearsal techniques. Music majors only.			
<i>Prerequisite: Music majors only.</i>			
MUED 200			
INTRODUCTION TO MUSIC EDUCATION	2.0		
Methodologies, techniques and materials of music education philosophical and practical foundations and applications of learning theories.			
<i>Prerequisite: Sophomore standing; Music majors only.</i>			
MUED 201			
PRACTICUM IN MUSIC EDUCATION I	1.0		
Supervised observation and participation in public school music classes and activities.			
<i>Prerequisites: Music Education concentration students only.</i>			
MUED 202			
PRACTICUM IN MUSIC EDUCATION II	1.0		
Development of teaching skills by observation of public school music instruction and by serving as a teacher's aide.			
<i>Prerequisites: MUED 320; Music Education concentration students only.</i>			
MUED 205			
BRASS INSTRUMENTS	1.0		
Elementary skills on trumpet, horn, trombone and other brasses; materials and procedures for teaching these instruments in beginning classes. Music majors only.			
<i>Prerequisite: Music majors only.</i>			
MUED 206			
WOODWIND INSTRUMENTS	1.0		
Skills on clarinet, flute, oboe and other woodwinds; materials and methods for teaching these instruments, organizing woodwind classes. Music majors only.			
<i>Prerequisite: Music majors only</i>			
MUED 303			
CREATIVE MOVEMENT AND DANCE EXPERIENCES FOR CHILDREN	2.0		
Investigating the principles of movement in relationship to the principles of music as a format for designing dance and movement experiences which enhance the music learning process. A focus on strategies appropriate for the elementary music classroom. Active participation.			
<i>Prerequisite: Music majors only.</i>			
MUED 306			
PERCUSSION INSTRUMENTS	1.0		
Elementary skills on snare drum, bass drum, timpani, cymbals, bells, etc.; materials and methods for teaching these instruments in the classroom. Music majors only.			
<i>Prerequisite: Music majors only.</i>			
MUED 320			
TEACHING MUSIC IN THE ELEMENTARY GRADES K-6	3.0		
Processes of music teaching which enhance problem solving and critical thinking on the part of the student. Principles of designing strategies which encourage the development of music skills, creative musical thinking, and positive attitudes in both the general and instrumental classroom setting. Sequential curriculum. Discussion of current methodologies.			
<i>Prerequisites: MUCP 202; Music majors only.</i>			
MUED 334			
CHORAL TECHNIQUES I	2.0		
Tone production, phrasing, enunciation, interpretation, testing and classification of voices, balancing parts, rehearsal routines, accompanying and conducting.			
<i>Prerequisite: MUCP 202; Music majors only.</i>			
MUED 335			
CHORAL TECHNIQUES II - CONDUCTING	2.0		
Rehearsal and performance techniques involved in such matters as attack, release, interpretation, balance, historical style, blend.			
<i>Prerequisite: MUED 334; Music majors only.</i>			
MUED 336			
TEACHING OF ELEMENTARY/MIDDLE SCHOOL INSTRUMENTAL MUSIC	3.0		
This course will cover all aspects of implementing procedures for future music educators to effectively teach elementary and middle school instrumental music. It will range from selecting and implementing quality musical materials in instrumental lessons and rehearsals, setting up lesson schedules, teaching of rhythm, teaching beginning and intermediate group lessons, planning rehearsal procedures and performances, planning ways for the music program to interact with the community, to handling administrative matters pertaining to the instrumental music program.			
<i>Prerequisites: Three of the four techniques classes: MUED 105, 205, 206, 306.</i>			
MUED 420			
THE TEACHING OF MUSIC IN SECONDARY SCHOOLS	3.0		
Philosophy, aims, content and procedures of music teaching in the junior and senior high school. Emphasis upon the teaching of the general music class and the incorporation of new methods. Lesson plans and units of work for use in the classroom. Includes observation and participation.			
<i>Prerequisite: MUED 320; Music majors only.</i>			
MUED 499			
INDEPENDENT STUDY IN MUSIC EDUCATION	1.0-4.0		
Project and/or study area planned with sponsoring faculty member.			
<i>Prerequisite: Departmental approval.</i>			
MUGN 100			
INTRODUCTION TO MUSIC	3.0		
Expansion of musical awareness through live performance and directed listening. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.			
MUGN 150			
INFLUENCE OF AFRO-AMERICAN CULTURE ON MUSIC	3.0		
Ways in which the Afro-American culture has affected the development of American folk and art music. Meets the Multicultural Awareness Requirement.			
MUGN 160			
INTRODUCTION TO MUSIC IN WORLD CULTURES	3.0		
The cultural and artistic forces which shape the musics of the non-Western world and the various folk and art musics resulting from those forces. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.			
MUGN 209			
INTRODUCTION TO JAZZ	3.0		
Jazz as an American phenomenon. Musical materials as manipulated by jazz artists; the impact on American popular music, dance and theater; early jazz players and developments. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.			

MUGN 250		
RAP AND ROCK AS CULTURAL PHENOMENA	3.0	
This course will explore the creative process in music of urban cultures. It will examine social structures, and the criteria of the groups which make and appreciates styles that emanate from urban cultures. Rap music will be the primary focus. Attention will also be given to other styles, such as Rock, rooted in the same historical background. Meets the General Education Requirement - Electives, Creative Expression. Meets the Multicultural Awareness Requirement.		
MUGN 499		
INDEPENDENT STUDY IN MUSIC	1.0-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUHS 307		
MUSIC HISTORY I	3.0	
Research methods and music bibliography. Styles, genres and shaping forces of Western music from the rise of polyphony in the Middle Ages through the music of Haydn and Mozart.		
<i>Prerequisites: MUCP 102; Music majors or minors only.</i>		
MUHS 308		
MUSIC HISTORY II	3.0	
Continuation of MUHS 307, beginning with Beethoven; the music of the Romantic era as manifested in the nineteenth and twentieth centuries; major currents of the Modern era.		
<i>Prerequisites: MUHS 307; Music majors or minors only.</i>		
MUHS 400		
SELECTED TOPICS IN MUSIC I	3.0	
Intensive study of a single composer or limited array of works may be taken a second time. 7-week course.		
<i>Prerequisites: MUHS 308; Music majors or minors only.</i>		
MUHS 401		
SELECTED TOPICS IN MUSIC II	3.0	
Intensive study of a single composer or limited array of works may be taken a second time. 7-week course.		
<i>Prerequisites: MUHS 308; Music majors or minors only.</i>		
MUHS 403		
SELECTED TOPICS IN MUSIC HISTORY	3.0	
Intensive study of composer, a genre or a particular problem in the history of music. May be repeated for credit.		
<i>Prerequisites: MUHS 308; Music majors or minors only.</i>		
MUHS 404		
SELECTED TOPICS IN MUSIC HISTORY	3.0	
Intensive study of composer, a genre or a particular problem in the history of music. May be repeated for credit.		
<i>Prerequisites: MUHS 308; Music majors or minors only.</i>		
MUHS 407		
MUSIC HISTORY III	3.0	
Major figures, forms, genres and styles from Debussy to the present.		
<i>Prerequisite: MUHS 308; Music majors or minors only.</i>		
MUHS 410		
MUSIC OF THE 19TH CENTURY	3.0	
The development of 19th century music from the influence of Beethoven through Romanticism, national schools and into the 20th century.		
<i>Prerequisite: MUHS 308.</i>		
MUHS 411		
GENRE, STYLE, FORM	3.0	
This course raises questions about periodization of music history, ways in which styles are defined, and categories of genres and their social significance. Emphasis on reception history viewed as the difference between contemporaneous and contemporary accounts of genre, style, and form.		
<i>Prerequisite: MUHS 308.</i>		
MUHS 412		
ESTHETICS OF MUSIC	3.0	
A survey of thinking about the nature effects and position of music from classical Greece to the present.		
<i>Prerequisite: MUHS 308.</i>		
MUHS 499		
INDEPENDENT STUDY IN MUSIC HISTORY AND LITERATURE	1.0-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 020		
MADRIGAL SINGERS	0.0-0.5	
Study through rehearsal and performance of Madrigals. Open to all through audition.		
<i>Prerequisite: Departmental approval</i>		
MUPR 030		
CHOIR	0.0-0.5	
MUPR 031		
ORCHESTRA	0.0-0.5	
MUPR 032		
BAND	0.0-0.5	
MUPR 034		
OPERA WORKSHOP	0.0-2.0	
Opera studied through performance. Nature of dramatic music, problems of movement, make-up, costuming, props and scenery.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 038		
COLLEGIUM MUSICUM	0.0-0.5	
Workshop in performance of Medieval, Renaissance, and Baroque music for instrumentalists and singers. Introduction to the elements of Renaissance musicianship (solmization, modes, musica ficta, notation, improvisation, and ornamentation). Introduction on early instruments (recorder, lute, viol, others). Concert performances of repertoire studied.		
MUPR 039		
PERFORMANCE PRACTICUM	0.0	
All music majors must register for this number each semester in order to free their schedules for recital commitments. This course is offered as Pass/Fail only.		
MUPR 040		
PERFORMANCE PRACTICUM FOR PERFORMANCE MAJORS	0.5	
Performance of repertoire for coaching in interpretation, style, analysis, technique, etc. Required in conjunction with each course in the primary and major instrument.		
<i>Prerequisite: Primary instrument requirement must be met.</i>		
MUPR 100		
CLASS PIANO FOR THE NON-MUSIC MAJOR	3.0	
Basic skills and fundamental knowledge of the keyboard. A basic knowledge of music reading is helpful but not necessary. Meets the General Education Requirement - Electives, Creative Expression.		
MUPR 101		
CLASS PIANO FOR THE NON-MUSIC MAJOR II	3.0	
Continuation of basic skills and fundamental knowledge of keyboard. Music reading, both treble and bass clefs, required. Skills covered include sightreading, technical exercises, harmonization of melodies, and improvisation. The course will contain materials from various styles and periods of music, including baroque, classical, and jazz.		
<i>Prerequisite: MUPR 100 or permission of instructor.</i>		

MUPR 103			
VOICE CLASS FOR THE NON-MUSIC MAJOR	3.0		
Study of singing through vocal exercises and the performance of English and American art, theatrical and popular songs. Meets the General Education Requirement - Electives, Creative Expression.			
MUPR 105			
MODERN GUITAR WORKSHOP	3.0		
Sight reading, chord playing and technical skills needed for the commercial musical scene. Latin music, swing rhythms, rock interpretations, jazz styles (chord and single note soloing), effective accompaniment styles. Open to majors and non-majors. Basic knowledge of guitar, some reading ability required. Meets the General Education Requirement - Electives, Creative Expression.			
MUPR 201			
KEYBOARD LITERATURE I	2.0		
Investigation of standard keyboard repertory from the early Baroque through the early Romantic.			
<i>Prerequisite: Music majors only or departmental approval.</i>			
MUPR 202			
KEYBOARD LITERATURE II	2.0		
Investigation of standard keyboard repertory from the early Romantic to the present.			
<i>Prerequisites: MUPR 201, majors only.</i>			
MUPR 203			
SOPHOMORE RECITAL	0.0		
Public performance of solo literature. Required of MUPR majors.			
<i>Prerequisites: Music Performance majors only.</i>			
MUPR 204			
PIANO ACCOMPANYING	2.0		
Problems of transposition, ensemble, interpretation and sight reading as applied to accompanying vocal and instrumental literature.			
<i>Prerequisite: Music majors or minors only.</i>			
MUPR 276			
INSTRUMENTAL LITERATURE I	2.0		
Survey of various instrumental genres for solo, small ensemble and orchestra.			
<i>Prerequisite: Music Performance majors only.</i>			
MUPR 277			
INSTRUMENTAL LITERATURE II	2.0		
Continuation of Instrumental Literature I.			
<i>Prerequisites: MUPR 276; Music Performance majors only.</i>			
MUPR 301			
CHAMBER ENSEMBLE PERFORMANCE	0.0-0.5		
Study through playing or singing of chamber music in ensembles of varying size and musical styles.			
<i>Prerequisite: Departmental approval.</i>			
MUPR 302			
JAZZ ENSEMBLE	0.0-0.5		
Contemporary ensemble requirements like jazz phrasing, section playing, interpretation, improvisation studied through ensemble rehearsal and performance.			
<i>Prerequisite: Departmental approval.</i>			
MUPR 303			
JUNIOR RECITAL	0.0		
Public performance of solo literature. Required of MUPR majors, if MUPR 203 not completed.			
<i>Prerequisites: Music Performance majors only.</i>			
MUPR 304			
JAZZ KEYBOARD AND THEORY	2.0		
Introduction to jazz techniques of harmonization, improvisation and theory at the keyboard in varying styles.			
<i>Prerequisites: MUPR 104 and departmental approval.</i>			
MUPR 335			
ELEMENTARY CONDUCTING	2.0		
Baton techniques and clef reading in orchestral and choral scores.			
<i>Prerequisite: Music majors or minors only.</i>			
MUPR 340			
ITALIAN REPERTORY AND DICTION I	1.0		
Italian art songs. Interrelation of the poetic text, the vocal musical line, and the instrumental part; technical and the stylistic demands of the music. Italian diction introduced. Emphasis on listening and performing. Majors only.			
<i>Prerequisite: Music Performance majors only.</i>			
MUPR 341			
ITALIAN REPERTORY AND DICTION II	1.0		
Continuation of MUPR 340.			
<i>Prerequisites: MUPR 340; Music Performance majors only.</i>			
MUPR 342			
FRENCH REPERTORY AND DICTION I	1.0		
Basic French for singing; enunciation and pronunciation; vocabulary.			
<i>Prerequisites: Music Performance majors only.</i>			
MUPR 343			
FRENCH REPERTORY AND DICTION II	1.0		
Continuation of MUPR 342. Study of French repertory. Projection of text, musical style.			
<i>Prerequisites: MUPR 342; Music Performance majors only.</i>			
MUPR 344			
GERMAN REPERTORY AND DICTION I	1.0		
Basic German for singing. Enunciation and pronunciation; vocabulary.			
<i>Prerequisite: Music Performance majors only.</i>			
MUPR 345			
GERMAN REPERTORY AND DICTION II	1.0		
Continuation of MUPR 344. Advanced material. Study of German repertory. Projection of text, musical style.			
<i>Prerequisites: MUPR 344; Music Performance majors only.</i>			
MUPR 346			
ENGLISH REPERTORY AND DICTION I	1.0		
Basic rules for singing in English; correcting poor everyday speech habits; learning songs.			
<i>Prerequisite: Music Performance majors only.</i>			
MUPR 347			
ENGLISH REPERTORY AND DICTION II	1.0		
Continuation of MUPR 346. Art songs, contemporary arias; meaning of text and means of communicating words to the audience.			
<i>Prerequisites: MUPR 346; Music Performance majors only.</i>			
MUPR 400			
SELECTED TOPICS IN MUSIC I	1.5		
Intensive study of a single composer or limited array of works. May be taken a second time; 7-week course.			
<i>Prerequisites: Music majors only.</i>			
MUPR 401			
SELECTED TOPICS IN MUSIC II	1.5		
Intensive study of a single composer or limited array of works. May be taken a second time; 7-week course.			
<i>Prerequisites: Music majors only.</i>			
MUPR 403			
SENIOR RECITAL	0.0		
Public performance of solo literature. Required of MUED and MUPR majors.			
<i>Prerequisites: Music majors only.</i>			
MUPR 410			
JAZZ IMPROVISATION LABORATORY	2.0		
Jazz improvisation and performance techniques studied through ensemble rehearsals; creative use of instrumental and harmonic skills in the jazz idiom. May repeat.			

MUPR 429			
CHORAL CONDUCTING	2.0		
Tone production, tuning, posture, score reading, interpretation and techniques of choral conducting materials suitable for use in high school.			
<i>Prerequisite: MUPR 335.</i>	2.0		
MUPR 436			
PIANO PEDAGOGY I	2.0		
Methods and materials of teaching piano for piano grades I through IV.			
<i>Prerequisites: Music majors only.</i>			
MUPR 437			
PIANO PEDAGOGY II	2.0		
Methods and materials of teaching piano for piano grades V through VIII.			
<i>Prerequisites: MUPR 436.</i>			
MUPR 439			
PEDAGOGY I	2.0		
Methods and materials of instruction in music.			
<i>Prerequisite: Music majors only.</i>			
MUPR 441			
PEDAGOGY OF THE VOICE	2.0		
Teaching techniques and pedagogical literature pertinent to instruction in singing.			
<i>Prerequisites: Music majors only.</i>			
MUPR 499			
INDEPENDENT STUDY IN MUSIC PERFORMANCE	1.0-4.0		
Project and/or study planned with sponsoring faculty member.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 101			
MUSIC AND COMPUTER TECHNOLOGY I	1.0		
Introduction to the musical applications of computer technology. Hands-on experience with leading music software. Final multimedia project required.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 102			
MUSIC AND COMPUTER TECHNOLOGY II	1.0		
Continuation of MUTC 101. In-depth look at digital recording and editing. Hands-on experience with leading music software. Final multimedia project required.			
<i>Prerequisite: MUTC 101.</i>			
MUTC 103			
INTRODUCTION TO AUDIO TECHNOLOGY IN THE STUDIO I	1.0		
An introductory course to audio and recording technology. Focus will include history, explanation of sound properties, hands-on application using recording equipment, and experience performing in a studio environment.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 104			
INTRODUCTION TO AUDIO TECHNOLOGY IN THE STUDIO II	1.0		
Continuation of Introduction to Audio Technology I, with more time spent on recording projects, where students will gain valuable experience operating sophisticated equipment and playing in the studio.			
<i>Prerequisite: MUTC 103.</i>			
MUTC 200			
INDEPENDENT STUDY IN COMPUTER AUDIO TECHNOLOGY	1.0-2.0		
Regularly listed courses pursued in greater depth, at the permission of advisor. May be repeated once for a maximum of four semester hours during the program but only once per semester.			
<i>Prerequisite: MUTC 101 and 102; departmental approval.</i>			
MUTC 211			
PRACTICUM IN AUDIO TECHNOLOGY	2.0		
Practical applications of techniques using audio technological equipment.			
<i>Prerequisites: MUTC 103 and 104.</i>			
MUTC 299			
INDEPENDENT STUDY IN THE FIELD OF AUDIO TECHNOLOGY	1.0-2.0		
Regularly listed course work pursued in greater depth. May be repeated once for a maximum of four semester hours.			
<i>Prerequisite: MUTC 103 and 104 or departmental approval.</i>			
MUTC 400			
INDEPENDENT STUDY IN COMPUTER AUDIO TECHNOLOGY	1.0-4.0		
Regularly listed courses pursued in greater depth, with permission of advisor. May be repeated three times for a maximum of sixteen semester hours but only once per semester.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 402			
SELECTED TOPICS IN THE FIELD OF AUDIO TECHNOLOGY	3.0		
Study of a specific area in the field of audio technology.			
<i>Prerequisite: MUTC 103 and 104.</i>			
MUTC 499			
INDEPENDENT STUDY IN THE FIELD OF AUDIO TECHNOLOGY	1.0-4.0		
Regularly listed course work pursued in greater depth. May be repeated twice for a maximum of twelve semester hours.			
<i>Prerequisites: MUTC 103 and 104 or departmental permission.</i>			
MUTH 100			
INTRODUCTION TO MUSIC THERAPY	2.0		
Survey of use of music therapy with various populations and other topics of relevance to the music therapist.			
MUTH 260			
METHODS AND MATERIALS IN MUSIC THERAPY	2.0		
A variety of music activities and how to adapt them for music therapy settings; leadership techniques; simple instruments used in therapy.			
<i>Prerequisites: MUTH 261; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 263.</i>			
MUTH 261			
THERAPY AND OBSERVATION SKILLS FOR MUSIC THERAPY	2.0		
Observing, measuring, and recording behavior in a music therapy setting and other aspects of planning for music therapy session as well as observing music therapy sessions.			
<i>Prerequisite: MUTH 100; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 262.</i>			
MUTH 262			
MUSIC THERAPY PRACTICUM I	1.0		
Improvement of the functioning of a client or group of clients with physical or mental disabilities through the use of music therapy. Discussion of the clients and their progress and other aspects of the clinical work.			
<i>Prerequisites: Music Therapy majors only.</i>			
<i>Corequisite: MUTH 261.</i>			
MUTH 263			
MUSIC THERAPY PRACTICUM II	1.0		
Continuation of MUTH 262.			
<i>Prerequisite: Music Therapy majors only.</i>			
<i>Corequisite: MUTH 260.</i>			
MUTH 306			
PIANO ACCOMPANYING TECHNIQUES FOR THE MUSIC THERAPIST	1.0		
Accompanying techniques adapted for music therapy. Choral harmonization, playing by ear, sightreading, learning music therapy repertoire.			
<i>Prerequisite: MSSN 104 or MUCP 311; Music Therapy majors only.</i>			
MUTH 307			
PIANO IMPROVISATION FOR THE MUSIC THERAPIST	1.0		
Improvisation in a variety of styles. Clinical adaptations.			
<i>Prerequisite: MUTH 306; Music Therapy majors only.</i>			

MUTH 361			MUTH 465	
MUSIC THERAPY PRACTICUM III	1.0		INTERNSHIP IN MUSIC THERAPY	1.0
Continuation of MUTH 263.			Six months clinical training as a music therapy intern in an approved training program.	
<i>Prerequisite: Music Therapy majors only.</i>			<i>Prerequisite: Departmental approval.</i>	
<i>Corequisite: MUTH 461.</i>				
MUTH 362			MUTH 499	
MUSIC THERAPY PRACTICUM IV	1.0		INDEPENDENT STUDY IN MUSIC THERAPY	0.5-4.0
Continuation of MUTH 361.			Project and/or study planned with sponsoring faculty member.	
<i>Prerequisite: Music Therapy majors only.</i>			<i>Prerequisite: Departmental approval.</i>	
<i>Corequisite: MUTH 463.</i>				
MUTH 363				
MUSIC THERAPY PRACTICUM V	1.0			
Continuation of MUTH 362.				
<i>Prerequisite: Music Therapy majors only.</i>				
<i>Corequisite: MUTH 462.</i>				
MUTH 364				
MUSIC THERAPY PRACTICUM VI	1.0			
Continuation of MUTH 363.				
<i>Prerequisite: Music Therapy majors only.</i>				
<i>Corequisite: MUTH 464.</i>				
MUTH 400				
MUSIC THERAPY TRAINING GROUP	1.5			
Expression and exploration of feelings through use of creative media. Particular attention to process so that experience may be generalized and subsequently used with client groups. Meets 2 1/2 hours per week.				
<i>Prerequisite: MUTH 260.</i>				
MUTH 402				
GUIDED IMAGERY AND MUSIC (GIM)	1.5			
Introduction to the facets of Guided Imagery and Music. Theory and process of the technique will be explored verbally and experientially. Is equivalent (with possible additional requirements) to Level I GIM training.				
<i>Prerequisite: MUTH 260.</i>				
MUTH 461				
MUSIC THERAPY WITH CHILDREN	3.0			
Ways in which music and the therapist may be used to influence the behavior of children, the mentally retarded, and the physically disabled.				
<i>Prerequisites: MUTH 260; Music Therapy majors only.</i>				
<i>Corequisite: MUTH 361.</i>				
MUTH 462				
MUSIC THERAPY WITH ADULTS	3.0			
Ways in which music therapy may be used in working with adult psychiatric patients, addictions, offenders, and geriatrics. Setting up a music therapy program.				
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>				
<i>Corequisite: MUTH 363.</i>				
MUTH 463				
PSYCHOLOGICAL FOUNDATIONS OF MUSIC I	3.0			
Emotional correlates of the musical experience are explored through research findings, psychological testing and inquiry, and philosophy. Current theories applied to practice in music therapy, education and performance.				
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>				
<i>Corequisite: MUTH 362.</i>				
MUTH 464				
PSYCHOLOGICAL FOUNDATIONS OF MUSIC II	3.0			
Basic techniques of conducting, reading, and interpreting psychological research in music are reviewed. Quantitative and qualitative methodologies are emphasized. Implication for various aspects of music are discussed.				
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>				
<i>Corequisite: MUTH 364.</i>				

PHILOSOPHY AND RELIGION

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Michael S. Kogan

Taking courses in philosophy and religious studies means gaining a greater ability to think clearly and independently about the central issues of human life. These studies present the occasion and the means to reflect critically on basic values and beliefs. The courses complement other major programs by enhancing awareness of the philosophical, ethical and religious elements and implications of other academic studies.

Both areas can be taken as a major leading to a Bachelor of Arts degree. They are also good second majors to enrich a liberal arts interest. A minor is offered in both programs. Each major is excellent preparation for later graduate and professional work.

Philosophy Major

Required Courses (21 semester hours)

	Semester Hours
PHIL 210 Ethics	3
PHIL 212 Social and Political Philosophy	3
PHIL 310 Knowledge, Belief and Truth	3
PHIL 312 Existence and Reality	3
PHIL 331 History of Philosophy: Ancient Philosophy	3
PHIL 333 History of Philosophy: Modern Philosophy	3
PHIL 424 Seminar in Philosophy	3

Philosophy Electives 12
To fulfill this requirement a student may take any four PHIL courses except for the seven required courses listed above.

Total Semester Hours 33

Philosophy Minor

Required Courses (18 semester hours)

	Semester Hours
Fields of Philosophy (even course numbers)	6-12
History and Movements in Philosophy (odd course numbers)	6-12

Note: The department recommends that the student consult with a departmental advisor for the choice of courses.

Religious Studies Major

Survey: RELG 101 Introduction to Religion fulfills GER; no credit towards the major.

I. Texts: Two courses required	6
RELG 200 Old Testament: Genesis-Joshua	3
RELG 202 Old Testament: Joshua-Daniel	3
RELG 204 New Testament: Jesus and the Gospels	3
RELG 206 New Testament: Paul and the Early Church	3
RELG 207 Religious Texts in America: Women	3
RELG 214 Classical Texts of Asian Religions	3
RELG 300 Classics of Western Religious Thought	3
RELG 352 Selected Study in Religious Texts	3
II. Issues: Two courses required	6
RELG 103 Religion and Moral Issues	3
RELG 104 Feminist Theology and Spirituality	3
RELG 107 Death and Dying: Religious Perspectives	3
RELG 225 Religion and Social Change	3
RELG 273 The Holocaust: Religious Perspectives	3
RELG 332 Myth, Meaning and Self	3
RELG 357 Selected Study in Religious Issues	3

III. Approaches: Two courses required	6
RELG 221 Religion and Culture	3
RELG 262 Philosophy of Religion	3
RELG 263 Religion and Psychology	3
RELG 267 Women in Religion	3
RELG 326 Theology	3
RELG 355 Selected Study in Religion and Culture	3

IV. Global Religious Traditions: (RELG 100, plus 3 other courses) ...	12
RELG 100 Religions of the World (required)	3
RELG 106 African Religious Traditions	3
RELG 108 African-American Religious Experience	3
RELG 210 Native American Religions	3
RELG 212 Asian Religions	3
RELG 216 Islamic Religious Traditions	3
RELG 223 Religion in North America	3
RELG 256 Religion in Latin America	3
RELG 258 Christian History and Thought	3
RELG 301 Contemporary Jewish Thought	3
RELG 350 Selected Study in World Religions	3

V. Seminars: One required	3
RELG 460 Seminar in World Religions	3
RELG 462 Seminar in Religious Texts	3
RELG 465 Seminar in Religion and Culture	3
RELG 467 Seminar in Religious Issues	3

Focus: In selecting courses from the above categories, students must include at least one of the following: RELG 104, RELG 207, RELG 267.

Total Semester Hours 33

Religious Studies Minor

Required Courses

RELG 101 Introduction to Religion	3
RELG Seminar in Religious Studies (select one)	3

Electives (Departmental)

Select 12 semester hours from the appropriate list to be obtained from the department 12

Total Semester Hours 18

Courses of Instruction

Philosophy

PHIL 100	INTRODUCTION TO PHILOSOPHY	3.0
The nature, scope, methods, basic problems and major types of philosophy. Meets the General Education Requirement - Humanities, Philosophy/Religion.		
PHIL 106	LOGIC	3.0
The forms of deductive and inductive argument in traditional logic, the fundamentals of modern formal logic, Meets the General Education Requirement - Humanities, Philosophy/Religion.		
PHIL 202	ETHICS AND BUSINESS	3.0
A study of the meaning of morality in the modern world of business. Course contains a balance of theory and practice as it examines behavior of business against background of conflicting ethical theory.		
PHIL 204	PHILOSOPHICAL ISSUES IN BIOMEDICAL ETHICS	3.0
A study of moral decision making in regard to specific moral problems arising in such areas of contemporary medical research and practice as experimentation on human subjects, euthanasia, abortion, information rights of patients, and eugenic sterilization.		

PHIL 206	
PHILOSOPHICAL ISSUES IN LAW AND JUSTICE	3.0
An examination of current philosophical accounts of both distributive and retributive justice. Close attention will be paid to such specific issues as the right of society to legislate its common morality, the use of behavior modification techniques on criminal offenders and the restoration of capital punishment.	
PHIL 210	
ETHICS	3.0
The nature of ethical judgments, the meaning of moral concepts, the conditions of moral responsibility and the methodological presuppositions of ethical theories. Meets the General Education Requirement - Humanities, Philosophy/Religion.	
PHIL 212	
SOCIAL AND POLITICAL PHILOSOPHY	3.0
The nature of society and the state, their relation to each other and to the individual, and an evaluation of some main political and social ideals. Meets the General Education Requirement - Humanities, Philosophy/Religion.	
PHIL 231	
AMERICAN PHILOSOPHY	3.0
The major American philosophers and philosophical movements with emphasis on Peirce, James, Royce, and Dewey.	
PHIL 233	
CONTEMPORARY PHILOSOPHERS	3.0
The major movements in contemporary philosophy, studied through writings of leading exponents.	
PHIL 237	
ASIAN PHILOSOPHY	3.0
Philosophical interpretations of experience and reality in representative movements of Eastern thought. Meets the Multicultural Awareness Requirement.	
PHIL 239	
EXISTENTIALISM	3.0
The major themes and concepts of existentialism in selected writings of the existentialist philosophers.	
PHIL 260	
PHILOSOPHIES OF ART	3.0
The major philosophies of art in the history of Western thought. The conceptual network of ideas of the thinker in question will be delineated, and connections shown between the thinker and the philosophical and artistic themes of that period.	
PHIL 262	
PHILOSOPHY OF RELIGION	3.0
The nature and shape of religious experience; criteria for meaning within religious thought and language. Metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.	
PHIL 264	
CRITICAL REASONING AND ARGUMENTS	3.0
An intermediary level course concentrating upon argumentation and rhetorical devices as they actually function in everyday conversation, philosophical discussion, forensic debate, etc. Arguments will be examined with an eye to penetrating purely formal structure and discovering the underlying dynamics which contribute to cogency in a given context.	
PHIL 266	
PHILOSOPHY OF SCIENCE	3.0
The epistemological character of scientific thought and the relevance of scientific findings for the clarification and eventual resolution of traditional philosophical issues.	
PHIL 270	
PHILOSOPHY OF MIND	3.0
Philosophical issues arising from the study of mental processes including the relation of a person to the body, life after death, and the possible reduction of consciousness to a brain process.	
PHIL 280	
PHILOSOPHY OF CYBERSPACE	3.0
Contemporary and classical philosophical and ethical issues as applied to computer-mediated communication.	
PHIL 290	
FIELDS OF PHILOSOPHY: SELECTED TOPICS	3.0
Selected study of major fields in philosophy. Philosophy of science, philosophy of history, philosophy of law. Topics announced each semester.	
PHIL 295	
PERIODS AND MOVEMENTS: SELECTED TOPICS	3.0
Topics announced each semester.	
PHIL 310	
KNOWLEDGE, BELIEF AND TRUTH	3.0
The major issues and theories concerning the relationship between knowledge, experience and reality.	
PHIL 312	
EXISTENCE AND REALITY	3.0
An examination of major philosophical theories concerning the nature of reality.	
PHIL 316	
PHILOSOPHY OF LAW	3.0
An introduction to the philosophical issues of jurisprudence. Close attention is given to the status and nature of law, the concept of equality and the limits of law.	
PHIL 324	
LEGAL REASONING	3.0
Theoretical foundations for developing models and methods of addressing legal problems. Principles of legal reasoning and argument in the Anglo-American common law tradition. Models of legal reasoning and methodology for resolving legal problems as developed within evolving social and philosophical notions of justice and fairness. Cross listed with legal Studies, LSLW 324.	
PHIL 331	
HISTORY OF PHILOSOPHY: ANCIENT PHILOSOPHY	3.0
The major philosophical systems and movements from the pre-Socratics to Plotinus with special emphasis on Plato and Aristotle.	
PHIL 333	
HISTORY OF PHILOSOPHY: MODERN PHILOSOPHY	3.0
The major philosophical systems and movements from the Renaissance to Kant.	
PHIL 335	
NINETEENTH CENTURY PHILOSOPHY	3.0
A study of the major philosophical figures and movements of the nineteenth century, with special emphasis on Hegel and the Hegelian tradition.	
PHIL 390	
FIELDS OF PHILOSOPHY: SELECTED TOPICS	3.0
Selected study of major fields in philosophy. Topics announced each semester.	
PHIL 395	
PERIODS AND MOVEMENTS: SELECTED TOPICS	3.0
Topics announced each semester.	
PHIL 424	
SEMINAR IN PHILOSOPHY	3.0
Cooperative research seminars in major movements, problems, philosophers or works. Topic announced each semester.	
PHIL 426	
SEMINAR IN PHILOSOPHY	3.0
Cooperative research seminars in major movements, problems philosopher, or works. Topics announced each semester.	
PHIL 446	
INDEPENDENT STUDY IN PHILOSOPHY	3.0-12.0
Directed independent study and research in philosophy. <i>Prerequisite: Departmental approval; 3.0 cumulative average in at least 9 semester hours of philosophy.</i>	

Religion

Courses of Instruction

RELG 100

RELIGIONS OF THE WORLD 3.0
The major religious traditions, with emphasis on basic beliefs and on the nature and diversity of religious awareness. Meets the General Education Requirement - Humanities, Philosophy/Religion.

RELG 101

INTRODUCTION TO RELIGION 3.0
An inquiry into man's religious questions and expressions, their implications, and their critical appreciation and assessment. Meets the General Education Requirement - Humanities, Philosophy/Religion.

RELG 103

RELIGION AND MORAL ISSUES 3.0
Ethical issues as currently discussed by representative thinkers of the major Western religious traditions. Meets the General Education Requirement - Humanities, Philosophy/Religion.

RELG 104

FEMINIST THEOLOGY AND SPIRITUALITY 3.0
This course will examine primary religious documents, their traditional interpretations, and recent feminist interpretations of these documents. It will examine the feminist claim that the traditional mind/body dualism of Western thought serves as a basis for the subjugation of women in traditional patriarchal religions.

RELG 106

AFRICAN RELIGIOUS TRADITIONS 3.0
An introduction to the indigenous cosmological concepts, ritual practices, and value systems of the peoples of sub-Saharan Africa. The retentions of African religious beliefs and practices in the cultures of the "New World" as encountered in Voodoo in Haiti, Santeria in Cuba, and Candomble in Brazil will also be examined. Meets the Multicultural Awareness Requirement.

RELG 107

DEATH AND DYING: RELIGIOUS PERSPECTIVES 3.0
This course is designed to give the student opportunity to study cross cultural religious and philosophical attitudes toward death and the procedures surrounding death. Material for the course will cover rituals of death and dying in both Eastern and Western religious tradition as well as "secular" rituals associated with death. Meets the General Education Requirement - Humanities, Philosophy/Religion.

RELG 108

AFRICAN-AMERICAN RELIGIOUS EXPERIENCE 3.0
The course will aim at engaging students in an active examination of the role of religion in the life of African-Americans from the period of slavery to the present. Students will be expected to read extensively from a list of recommended texts and to write critical analyses on assigned topics. The style of instruction will combine lecture with discussion, thereby encouraging students to develop skills in critical thinking as well as the art of verbal expression. Meets the Multicultural Awareness Requirement.

RELG 200

OLD TESTAMENT: GENESIS TO JOSHUA 3.0
The evolution of the ancient Hebrew world view as developed in the biblical books covering the early period of Israelite history. The course includes a close reading of the books of Genesis, Exodus and Numbers, comparison with contemporary Middle Eastern religious texts and study of the biblical story from the creation through the career of Moses (circa 1250 B.C.E.).

RELG 202

OLD TESTAMENT: JOSHUA TO DANIEL 3.0
The history and theology of Israelite religion as seen in the biblical books covering the middle and late periods (1150-165 B.C.E.).

RELG 204

NEW TESTAMENT: JESUS AND THE GOSPELS 3.0
The story of Jesus of Nazareth as told in the Gospels of Mark and Matthew. The course explores Old Testament backgrounds, Jesus' place in the Jewish religious context of first century Israel, the question of the historical Jesus and the origins of and relationships between the various gospel traditions.

RELG 206

NEW TESTAMENT: PAUL AND THE EARLY CHURCH 3.0
A close study of Luke-Acts, John, selected letters of Paul and other later Epistles. The course explores the development of the theology and institutions of the early church as revealed in New Testament documents of the first and early second centuries.

RELG 207

RELIGIOUS TEXTS IN AMERICA: WOMEN 3.0
The course will examine original texts by women written during the religious growth and development of such movements as Evangelicalism, Mormonism, the Westward missionary expansion, African-American slave narratives, hymns, sermons, and exhortations. Emphasis will be on the ways religion served as an acceptable locus of expression for women.

RELG 210

NATIVE AMERICAN RELIGIONS 3.0
An introduction to the religious traditions and spirituality of the Native American peoples. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

RELG 212

ASIAN RELIGIONS 3.0
The cultural and theological bases for the faith and practice of major Eastern religions - Buddhism, Confucianism, Hinduism, Taoism. Meets the Multicultural Awareness Requirement.

RELG 213

BUDDHISM 3.0
The exploration of Buddhist teachings, practices, history, and religious art in various Asian countries, notably India, Southeast Asia, Japan, and Tibet (may vary). No prerequisites, but RELG 100, Religions of the World, is suggested.

RELG 214

CLASSICAL TEXTS OF ASIAN RELIGIONS 3.0
This course emphasizes critical analysis and interpretation of primary textual sources. Students will read and examine primary documents from each of the Asian religions, their traditional interpretations and recent understandings and application of these texts.

RELG 216

ISLAMIC RELIGIOUS TRADITIONS 3.0
The historical origins of Islam, the emergence and development of various strands of religious tradition, and their impact on the modern world.

RELG 221

RELIGION AND CULTURE 3.0
The interrelation of religion and culture in the formulation of human values and views, life-styles and institutions. Meets the General Education Requirement - Humanities, Philosophy/Religion.

RELG 223

RELIGION IN NORTH AMERICA 3.0
The growth and development of various religious movements--Protestant, Catholic, Jewish, and sectarian minorities--from colonial times to the present.

RELG 225

RELIGION AND SOCIAL CHANGE 3.0
Examines the impact of economic, social and political movements on religious belief and the ways in which religion has both furthered and impeded social development. Meets the General Education Requirement - Contemporary Issues.

RELG 256

RELIGION IN LATIN AMERICA 3.0
A survey of the variety of ways religion, both indigenous and Western, has interacted with culture and society in Latin America. Particular emphasis is given to the pluralism of religious expressions, including popular religion, syncretic religions such as Voodoo and Santeria, different forms of Protestantism, and liberation theology.

RELG 258

CHRISTIAN HISTORY AND THOUGHT 3.0
A survey of the history of the development of the Christian world-view, the evolution of Christian institutions and doctrines, and the triumphs and failures of Christianity through the period of the Reformation.

RELG 262		
PHILOSOPHY OF RELIGION	3.0	
A philosophical examination of religion. It includes the nature and shape of religious experience: criteria for meaning within religious thought and language, metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.		
RELG 263		
RELIGION AND PSYCHOLOGY	3.0	
The views of faith and the religious person reached by such major psychological approaches as the Freudian, Neo-Freudian, analytic-ego, existential and Jungian. The implications of such psychology for Jewish, Catholic, and Protestant believers and religious thinkers.		
RELG 267		
WOMEN IN RELIGION	3.0	
Focuses on women's own experience in religions and the various perspectives of women held by both Eastern and Western religious traditions. The course deals with questions such as the nature of women, patriarchy and religion, and roles of women in religions. Meets the Multicultural Awareness Requirement.		
RELG 273		
THE HOLOCAUST: RELIGIOUS PERSPECTIVES	3.0	
A study of Nazi extermination of 6,000,000 Jews during World War II and the moral and religious issues raised by this event.		
RELG 300		
CLASSICS OF WESTERN RELIGIOUS THOUGHT	3.0	
Selected works of significant theologians of the Western tradition on issues such as the nature of God, Christology, Soteriology, Ecclesiology, Theodicy, etc.		
RELG 301		
CONTEMPORARY JEWISH THOUGHT	3.0	
The writings of Rosenzweig, Buber, Heschel, Rubenstein, Fackenheim, Plaskow, Wyschogrod and others will be examined in detail. They will be studied in the context of the religious crisis of modern society which has generated Existentialism, Death of God theology and radical shifts in Jewish life (the Holocaust and the rebirth of Israel). Students will be introduced to popular Jewish religious practice in America and elsewhere as well as to the most complex Jewish theological speculation of this century.		
RELG 326		
THEOLOGY	3.0	
An introduction to the theological efforts of Jews, Christians, and Muslims to wrestle out "the meaning of" their communal faith in rational, speculative, critical, and creative ways. Includes study of how the most influential Jewish and Christian theologians shaped Western culture, and of how recent and contemporary criticism challenges theological approaches.		
<i>Prerequisite: RELG 101 or RELG 221 or RELG 258.</i>		
RELG 332		
MYTH, MEANING AND SELF	3.0	
Selected psychological investigations and/or theories of religious phenomena; the implications for constructive theology and positive religious response.		
RELG 350		
SELECTED STUDY IN WORLD RELIGIONS	3.0	
Topics announced each semester.		
RELG 352		
SELECTED STUDY IN RELIGIOUS TEXTS	3.0	
Topics announced each semester.		
RELG 355		
SELECTED STUDY IN RELIGION AND CULTURE	3.0	
Topics announced each semester.		
RELG 357		
SELECTED STUDY IN RELIGIOUS ISSUES	3.0	
Topics announced each semester.		
RELG 460		
SEMINAR IN WORLD RELIGIONS	3.0	
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.		
RELG 462		
SEMINAR IN RELIGIOUS TEXTS	3.0	
Cooperative research seminar in major movements, problems, theologians.		
RELG 465		
SEMINAR IN RELIGION AND CULTURE	3.0	
Cooperative research seminars in major movements, problems, theologians. Topic announced each semester.		
RELG 467		
SEMINAR IN RELIGIOUS ISSUES	3.0	
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.		
RELG 490		
INDEPENDENT STUDY IN RELIGION	3.0-12.0	
Directed independent study and research in religious studies.		
<i>Prerequisite: Departmental approval; 3.0 cumulative average in at least 9 semester hours of religion.</i>		

POLITICAL SCIENCE

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: George N. Zilbergeld

Political Science is a branch of the social sciences concerned with the theory and practice of government and politics. There are six areas of interest a student may pursue: Political Thought and Philosophy, American Politics, Comparative Politics, International Relations, Public Administration, and Law.

The department also provides a Public Administration minor in order to give those seeking employment in state or local government the necessary background. It is open to all students.

Graduates in the political science major receive a Bachelor of Arts degree.

Political Science Major

Required Courses

	Semester Hours
POLS 100 Introduction to Politics	3
POLS 101 American Government and Politics	3
POLS 201 Comparative Politics	3
POLS 202 International Relations	3
POLS 408 Development of Political Thought to Machiavelli	3

Electives (Departmental)

Select 18 semester hours from the following:	18
POLS 203 International Organizations	3
POLS 204 Government and Politics of Africa	3
POLS 205 Introduction to Public Administration	3
POLS 206 Government and Politics of China and Japan	3
POLS 214 Women in Politics	3
POLS 301 American Party System	3
POLS 302 Public Opinion and Pressure Groups	3
POLS 303 Politics of Development and Modernization	3
POLS 304 State and Local Government	3
POLS 306 Campaign Politics	3
POLS 307 American Political Thought	3
POLS 308 Ethnic Politics in America	3
POLS 309 Urban Politics	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 312 Black Politics in America	3
POLS 314 Seminar in Campaign Politics	3
POLS 315 Urban Administration	3
POLS 316 Contemporary Western European Politics	3
POLS 317 The American Congress	3
POLS 318 The American Presidency	3
POLS 320 Law in Society: Civil Law	3
POLS 321 Law in Society: Criminal Law	3
OR	
LSPR 301 Criminal Law and Procedure	3
POLS 322 American Constitutional Law: The Federal System	3
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
POLS 324 American Public Policy	3
POLS 330 American Foreign Policy	3
POLS 404 Government and Politics of India and South Asia	3
POLS 405 Government and Politics of Latin America	3
POLS 406 Government and Politics of the Middle East	3
POLS 407 Government and Politics in the Post-Soviet States	3
POLS 409 Modern Political Thought	3
POLS 410 Directed Study	3
POLS 412 Government and Politics in the East European States	3
POLS 416 Selected Topics in Political Science	3
POLS 420 Seminar and Internship in Political Science	4
POLS 425 Politics of the Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4
POLS 430 International Law	3
POLS 435 Senior Honors Seminar	3

Political Science Minor

Semester Hours

Core Course Requirement

POLS 100 Introduction to Politics	3
---	---

Additional Required Courses

(One course must be selected from three of the following four core areas):

American Government

POLS 101 American Government and Politics	3
POLS 304 State and Local Government	3

Comparative Politics

POLS 201 Comparative Politics	3
POLS 303 Politics of Development and Modernization	3

International Relations

POLS 202 International Relations	3
POLS 203 International Organizations	3

Political Theory

POLS 307 American Political Thought	3
POLS 408 Development of Political Thought to Machiavelli	3

Political Science Electives

Select 6 semester hours from the following:

POLS 203 International Organizations	3
POLS 204 Government and Politics of Africa	3
POLS 205 Introduction to Public Administration	3
POLS 206 Government and Politics of China and Japan	3
POLS 214 Women in Politics	3
POLS 301 American Party System	3
POLS 302 Public Opinion and Pressure Groups	3
POLS 303 Politics of Development and Modernization	3
POLS 304 State and Local Government	3
POLS 306 Campaign Politics	3
POLS 307 American Political Thought	3
POLS 308 Ethnic Politics in America	3
POLS 309 Urban Politics	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 312 Black Politics in America	3
POLS 314 Seminar in Campaign Politics	3
POLS 315 Urban Administration	3
POLS 316 Contemporary Western European Politics	3
POLS 317 The American Congress	3
POLS 318 The American Presidency	3
POLS 320 Law in Society: Civil Law	3
POLS 321 Law in Society: Criminal Law	3
POLS 322 American Constitutional Law: The Federal System	3
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
POLS 324 American Public Policy	3
POLS 330 American Foreign Policy	3
POLS 404 Government and Politics of India and South Asia	3
POLS 405 Government and Politics of Latin America	3
POLS 406 Government and Politics of the Middle East	3
POLS 407 Government and Politics in the Post-Soviet States	3
POLS 409 Modern Political Thought	3
POLS 410 Directed Study	3
POLS 412 Government and Politics in the East European States	3
POLS 416 Selected Topics in Political Science	3
POLS 420 Seminar and Internship in Political Science	4
POLS 425 Politics of the Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4
POLS 430 International Law	3
POLS 435 Senior Honors Seminar	3

Minimum credits required for the Political Science Minor 18

Public Administration Minor

Required Courses

	Semester Hours
POLS 101 American Government and Politics	3
POLS 205 Introduction to Public Administration	3

Electives (Departmental)

Select 12 semester hours from the following list:

POLS 304 State and Local Government	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 315 Urban Administration	3
POLS 324 American Public Policy	3
POLS 425 Politics of Federal Bureaucracy	3
POLS 426/427 Seminar and Internship in Public Administration I and II (two semesters)	8
Minimum required for the minor	18

Courses of Instruction

POLS 100
INTRODUCTION TO POLITICS 3.0

This course analyzes politics from the four main vantage points of the discipline of political science, that is, political theory, comparative politics, international relations and American government. Of special concern is the U.S. Constitution, its classical and English roots, and its development to the present. This course is required for political science majors. Meets the General Education Requirement - Social Science, Topic Course.

POLS 101
AMERICAN GOVERNMENT AND POLITICS 3.0

This course will introduce students to the basic institutions and processes of American politics, and will do so, in part, through a focus on current policy issues. Meets the General Education Requirement - Social Science, Topic Course.

POLS 201
COMPARATIVE POLITICS 3.0

Constitutional principles, governmental institutions and political processes of selected contemporary states. Meets the General Education Requirement - Social Science, Survey Course.

POLS 202
INTERNATIONAL RELATIONS 3.0

Recent and contemporary world politics and the foreign relations and policies of selected states.

POLS 203
INTERNATIONAL ORGANIZATIONS 3.0

The nature, place, need, evolution, principles, achievements and functioning of major international organizations, with emphasis upon the United Nations and selected regional organizations.

POLS 204
GOVERNMENT AND POLITICS OF AFRICA 3.0

The salient characteristics of government and politics in the independent Black African states, and the way these impinge on developmental efforts therein, are examined. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 205
INTRODUCTION TO PUBLIC ADMINISTRATION 3.0

Literature and developments in the field of public administration; the federal bureaucracy in the policy-making process.

Prerequisite: POLS 100, or 101, or departmental approval.

POLS 206
GOVERNMENT AND POLITICS OF CHINA-JAPAN 3.0
Governmental and political development, institutions, and practices in contemporary China-Japan. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 214
WOMEN IN POLITICS 3.0

The role of women in the functioning of the American political system. Meets the Multicultural Awareness Requirement.

POLS 301
AMERICAN PARTY SYSTEM 3.0

Organization, function and practice of political parties in the U.S.; campaign functions, membership problems, political finance and policy formation practices.

Prerequisite: POLS 100, or 101, or departmental approval.

POLS 302
PUBLIC OPINION AND PRESSURE GROUPS 3.0

The nature and development of public opinion and pressure groups in the United States and their influence on public policy and political process.

Prerequisite: POLS 100, or 101, or departmental approval.

POLS 303
POLITICS OF DEVELOPMENT AND MODERNIZATION 3.0

The major contemporary schools of political modernization and development theory; inter-relationship among political, social and economic variables.

Prerequisite: POLS 201.

POLS 304
STATE AND LOCAL GOVERNMENT 3.0

State political sub-systems, including their administrative and local sub-systems, federal-state relations, political institutions and groups in the states and in New Jersey. This course helps students understand lawmaking and enforcement as functions of state and local government.

POLS 306
CAMPAIGN POLITICS 3.0

This course is taught in election years and provides the student with field experience at the local precinct or party level.

Prerequisite: POLS 100 or 101.

POLS 307
AMERICAN POLITICAL THOUGHT 3.0

The development of American ideas covering political authority from Hamilton, Madison and Marshall to the present.

Prerequisite: POLS 100, or 101, or departmental approval.

POLS 308
ETHNIC POLITICS IN AMERICA 3.0

The political behavior of American ethnic groups from the Puritans to the Puerto Ricans. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

Prerequisite: POLS 100, or 101, or departmental approval.

POLS 309
URBAN POLITICS 3.0

The policies, processes, inter-relationships and organization of governments in heavily-populated areas of the United States.

POLS 310
PUBLIC PERSONNEL ADMINISTRATION 3.0

The problems and processes in the U.S. of public personnel administration at the state and local level.

POLS 311
GOVERNMENTAL BUDGETING 3.0

The budgetary process in governmental agencies from the perspective of political demands and influences.

- POLS 312**
BLACK POLITICS IN AMERICA 3.0
 Black participation in the American political system from the Colonial period to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- POLS 314**
SEMINAR IN CAMPAIGN POLITICS 3.0
 Seminar in Campaign Politics provides an introduction to the history and theory surrounding elections in the United States and complements student practicums in POLS 306.
Corequisite: POLS 306.
- POLS 315**
URBAN ADMINISTRATION 3.0
 Problems and policy-making in the larger urban or metropolitan complexes.
- POLS 316**
CONTEMPORARY WESTERN EUROPEAN POLITICS 3.0
 Government and politics of Great Britain, France, Germany and Italy. Institutions, parties, ideologies and interest groups.
- POLS 317**
THE AMERICAN CONGRESS 3.0
 This course will provide a detailed examination of the United States Congress. It will allow students to explore in depth one of the key American political institutions introduced to them in POLS 101, *American Government and Politics*.
Prerequisite: POLS 101 or departmental approval.
- POLS 318**
THE AMERICAN PRESIDENCY 3.0
 This course will provide a detailed examination of the American presidency. It will allow students who were introduced to the presidency in POLS 101, *American Government and Politics*, to explore in depth one of the key institutions of the American political system.
Prerequisites: POLS 101 or departmental approval.
- POLS 320**
LAW IN SOCIETY CIVIL LAW 3.0
 This course will examine the American civil legal system as it affects a variety of our social institutions.
- POLS 321**
LAW IN SOCIETY: CRIMINAL LAW 3.0
 Introduces the student to institutions, processes, and social functions of criminal law. Students may take POLS 321 or LSPR 301 but not both courses as part of the Political Science major, the Paralegal Studies minor or the Criminal Justice minor.
- POLS 322**
AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM 3.0
 Interpretation of Supreme Court decisions in the areas of the distribution of power within the national government and between the national government and the states.
Prerequisite: POLS 101.
- POLS 323**
AMERICAN CONSTITUTIONAL LAW: CIVIL RIGHTS AND LIBERTIES 3.0
 The development of the Constitution and the Supreme Court of the United States illustrated through reference to court opinions in civil rights and liberties.
- POLS 324**
AMERICAN PUBLIC POLICY 3.0
 A study of the methods used to analyze public policy and an examination of current public policy issues. Special attention is given to the use of comparative analysis in analyzing American public policies. This course deals with issues such as crime, punishment, social welfare, drug abuse, child abuse, equality, health, education and the environment. It focuses on public policy responses to these issues.
- POLS 330**
AMERICAN FOREIGN POLICY 3.0
 A consideration and analysis of the goals that the nation's foreign policy officials seek to attain abroad, the values that give rise to those objectives, and the means or instruments through which they are pursued.
Prerequisite: POLS 202.
- POLS 404**
GOVERNMENT AND POLITICS OF INDIA AND SOUTH ASIA 3.0
 The political experiences and institutions of the Indian subcontinent since 1947: The Republic of India, Pakistan, Ceylon and Bangladesh. Meets the Multicultural Awareness Requirement.
Prerequisite: POLS 201 or departmental approval.
- POLS 405**
GOVERNMENT AND POLITICS OF LATIN-AMERICA 3.0
 Governmental and political development, organization and practices in the states of Central America and South America. Meets the Multicultural Awareness Requirement.
Prerequisite: POLS 201 or departmental approval.
- POLS 406**
GOVERNMENT AND POLITICS OF THE MIDDLE EAST 3.0
 Government and politics in the Arab states, Turkey, Israel and Iran.
Prerequisite: POLS 201 or departmental approval.
- POLS 407**
GOVERNMENT AND POLITICS IN THE POST-SOVIET STATES 3.0
 The political and institutional organizations of the countries of the former Soviet Union; contemporary political issues; party and governmental structures.
Prerequisites: POLS 201 or departmental approval.
- POLS 408**
DEVELOPMENT OF POLITICAL THOUGHT TO MACHIAVELLI 3.0
 Selected major political philosophies from Plato and Aristotle, up to, but not including, Machiavelli.
- POLS 409**
MODERN POLITICAL THOUGHT 3.0
 Selected political philosophers from Machiavelli to the present.
- POLS 410**
DIRECTED STUDY 3.0-6.0
 Juniors and seniors may elect three to six credits of independent study under the direction of a member of the Political Science staff.
- POLS 412**
GOVERNMENT AND POLITICS IN THE EAST EUROPEAN STATES 3.0
 The political and governmental organizations of the Communist countries of Eastern and Central Europe (exclusive of the former U.S.S.R.); institutions, processes and problems, including inter-regional relations.
Prerequisite: POLS 201 or departmental approval.

POLS 416
SELECTED TOPICS IN POLITICAL SCIENCE 3.0
This course allows the instructor to select a political problem which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in a regular course.

POLS 420
SEMINAR AND INTERNSHIP IN POLITICAL SCIENCE 4.0
In this course students will work as interns for one semester in the office of a N.J. State Legislator, U.S. Congressperson or Senator, or state or federal executive.

POLS 425
POLITICS OF FEDERAL BUREAUCRACY 3.0
In-depth examination of the federal bureaucracy in relationship with national, state and local agencies.
Prerequisite: POLS 101 or departmental approval.

POLS 426
SEMINAR AND INTERNSHIP IN PUBLIC ADMINISTRATION I 4.0
A one semester public administration field experience in local government. Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 427
SEMINAR AND INTERNSHIP IN PUBLIC ADMINISTRATION II 4.0
A one semester public administration field experience in local government. Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 429
QUANTITATIVE ANALYSIS IN POLITICAL SCIENCE 3.0
The main goal of this course will be to familiarize students with various quantitative methods used in political science research with the aim of giving them the ability to evaluate and criticize such research. A variety of quantitative techniques will be covered, ranging from simple descriptive statistics to Guttman scaling to factor analysis. Students will also be given basic training in how to use canned statistical programs and basic data processing.

POLS 430
INTERNATIONAL LAW 3.0
The nature, place, evolution, subjects, sources, principles, role and substance of international law in the international system of nation-states.
Prerequisite: POLS 202, or 203, or departmental approval.

POLS 435
SENIOR HONORS SEMINAR 3.0
The course will involve intensive research in a seminar setting for senior political science majors. Students will conduct original research and present reports to meetings of the seminar.
Prerequisites: The course will be open only to senior majors with at least a 3.4 cumulative grade point average in political science.

PSYCHOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Sandra-Collins

Undergraduate courses in psychology establish a sound basis for later professional or graduate training in psychology. As part of a broad liberal education, they satisfy the needs of students, (majors and non-majors), and teach principles and techniques as intellectual tools for work in other social and biological sciences and in professional fields such as social work, journalism, business and law. Courses required for teacher certification in the State of New Jersey, as described in the Teacher Education program, are provided.

In addition to a diverse general psychology program, the department offers a minor in Psychology and an Honors Seminar Program.

Psychology Major

Required Courses

	Semester Hours
PSYC 101 General Psychology I: Growth and Development	3
PSYC 203 General Psychology II: An Experimental Approach	3
PSYC 220 Quantitative Methods in Psychology	4
PSYC 301 Experimental Psychology	4

Electives (Departmental)

Select 24 semester hours from the following lists 24

Introductory Psychology Electives (with only PSYC 101 as a prerequisite):

PSYC 202 Adolescent Psychology	3
PSYC 225 Psychology of Adjustment	3
PSYC 227 Psychological Aspects of Human Sexuality	3
PSYC 230 Environmental Psychology	3
PSYC 231 Psychology of Aggression	3
PSYC 235 Psychology of Exceptional Children and Youth	3
PSYC 245 Mental Health Issues of Hispanic Americans	3
PCOM245 Introduction to Community Psychology	3
PSYC 246 Psychology of Black Experience	3
PSYC 248 Psychology and Law	3
PSYC 265 Psychology of Women	3
PSYC 268 Psychological Aspects of Aging	3
PSYC 290 Introduction to Cognitive Science	3

Advanced Psychology Electives:

(Select 9 credits from Group A and 9 credits from Group B)

Group A:

PSYC 224 Children's Rights and Child Advocacy	3
PSYC 300 The Teaching of Psychology	3
PSYC 302 Health Psychology	3
PSYC 320 Developmental Psychology I	3
PSYC 332 Psychological Foundations of Personality	3
PSYC 360 History and Systems of Psychology	3
PSYC 365 Abnormal Psychology	3
PSYC 366 Health Psychology: Applications to the Community	3
PCOM385 Advanced Community Psychology: Externship	3
PSYC 402 Social Roles of Psychotherapies	3
PSYC 405 Psychological Anthropology	3

Group B:

PSYC 303 Industrial and Organizational Psychology	3
PSYC 304 Social Psychology	3
PSYC 305 Physiological Psychology	3
PSYC 308 Perception	3
PSYC 310 Introduction to Psychological Testing	3
PSYC 313 Cognition	3
PSYC 340 Human Learning and Memory	3
PSYC 348 Psycholinguistics	3
PSYC 353 Comparative Animal Behavior	3
PSYC 355 Motivation	3

PSYC 358 Fundamentals of Conditioning and Learning	3
PCOM387 Methods in Evaluation Research	3
PSYC 496 Psychology Honors II	4

Special Electives:

PCOM391 Cooperative Education in Psychology	4-9
PSYC 420 Packaged Computer Programs for Psychology	1
PSYC 459 Special Topics in Psychology	3
PSYC 491 Independent Study I: Research	1-3
PSYC 492 Independent Study II: Research	1-3
PSYC 495 Psychology Honors I	4

Psychology Minor

Required Courses

PSYC 101 General Psychology I: Growth and Development	3
PSYC 203 General Psychology II: An Experimental Approach	3

Electives (Departmental—200 level or above)

Select 12 semester hours at the 200 level or above 12

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Departmental course requirements include 30 semester hours of social science courses. Consult with the faculty advisor for the social studies certificate for further information.

Justice Studies Major, Child Advocacy Concentration

The Psychology Department, along with the departments of Sociology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Child Advocacy. The Child Advocacy concentration, unique in New Jersey and the region, emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. It includes optional areas of emphasis in Racial/Ethnic Perspectives and Juvenile Justice. Dr. Robert D. McCormick serves as advisor for the Child Advocacy concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

PCOM 245	INTRODUCTION TO COMMUNITY PSYCHOLOGY	3.0
Integration of social psychology with mental health in the resolution of problems in the community. Social psychological theories and empirical strategies are used to study the dynamics of power, membership, change and deviance. Accent is also on comprehensive mental health center and roles of community psychologist. Meets the General Education Requirement - Contemporary Issues.		
<i>Prerequisite: PSYC 101.</i>		
PCOM 385	ADVANCED COMMUNITY PSYCHOLOGY: EXTERNSHIP	3.0
Supervision is provided in a variety of community action programs which have preventive as well as treatment goals. Day and hour assignments can usually be arranged, but effective study participation will require a 3 hour block of time in order to serve directly in a community setting.		
<i>Prerequisites: PCOM 245.</i>		
PCOM 387	METHODS IN EVALUATION RESEARCH	4.0
This course focuses on the application of psychological research methods and knowledge to the evaluation of the effectiveness or ineffectiveness of community programs. Emphasis will be on techniques for program planning and for constructive innovations in community settings. Field work required		
<i>Prerequisites: PCOM 385.</i>		

- PCOM 391**
COOPERATIVE EDUCATION IN PSYCHOLOGY 4.0-9.0
 The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator and the Office of Cooperative Education, and is responsible for completing the terms of a learning contract. Contact Office of Cooperative Education.
Prerequisite: Departmental approval.
- PSYC 100**
RE-ENTRY SEMINAR 2.0
 Provides academic, career, and personal counseling during first semester adjustment period, group identification and support while developing renewed skills and ego strength. Offered only on a pass/fail basis.
- PSYC 101**
GENERAL PSYCHOLOGY I: GROWTH AND DEVELOPMENT 3.0
 Psychology as an applied behavioral science: human development, conflict and adjustment, social behavior, group processes, individual differences, personality theory and assessment, behavior disorders, and principles of conditioning, learning and forgetting. Meets the General Education Requirement - Social Science, Survey Course.
- PSYC 102**
WOMEN'S WORLDS 3.0
 This course introduces the general student to the broad and interdisciplinary field known as women's studies. It is designed to make students aware of the new discoveries in feminist research and to focus on many aspects of the female experience. The course is designed to help students understand different methodologies in diverse disciplines and to treat areas such as literature, history, psychology, and the arts through a thematic approach. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement. Cross listed with Women's Studies, WMST 102.
- PSYC 103**
FRESHMAN SEMINAR 3.0
 The major objective is to better acclimate the beginning college student (freshman and transfer) to campus life through an emphasis on affective education and group interaction. Values clarification and self-identity are important course components. Meets the General Education Requirement Electives - Personal/Professional Issues.
- PSYC 109**
THE HUMAN ENVIRONMENT 3.0
 Interdisciplinary with geography; people's modification and understanding of the environment; future human and environmental projections. Cross listed with Earth and Environmental Studies, ENVR 109. Meets the General Education Requirement - Contemporary Issues.
- PSYC 200**
EDUCATIONAL PSYCHOLOGY 3.0
 Required for teaching. Covers child and adolescent development; fundamentals of learning theory as applied to classroom situations, learning inhibition and academic non-achievement, personal-social adjustment, measuring and evaluating teaching-learning, creativity. Course may not be taken by Psychology majors for major credit effective Fall 1995. Meets the General Education Requirement - Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 201**
CHILD PSYCHOLOGY 3.0
 Covers growth, development and behavior of children. Physical, intellectual, social and emotional development and their interaction. Scientific method exemplified through the literature and intensive study of individual children. Course may not be taken by Psychology majors for major credit effective Fall 1995. Meets the General Education Requirement - Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 202**
ADOLESCENT PSYCHOLOGY 3.0
 Covers biological, psychological and social factors that shape the transition from childhood to adulthood: Normal and deviant patterns of development in morals, intellect, emotions and judgment; problems of adolescents with practical application to oneself and others. Meets the General Education Requirement - Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 203**
GENERAL PSYCHOLOGY II: AN EXPERIMENTAL APPROACH 3.0
 The emphasis is on psychology as an experimental and research oriented science. Topics under investigation include: experimental design, psychological measurement, physiology, perception, sensory processes, motivation, emotional behavior, and advanced topics in psychological learning theory.
Prerequisite: PSYC 101.
- PSYC 220**
QUANTITATIVE METHODS IN PSYCHOLOGY 4.0
 This course introduces Psychology majors to the basic principles of descriptive statistics, statistical inference, hypothesis testing, and their applications to research and psychological data. Measures of central tendency, variability, correlation, the normal curve, and parametric and nonparametric tests of significance will be covered. Students become familiar with the use of packaged programs for statistical analysis on small computers for the purpose of dealing with the typical data analysis problems that arise in PSYC 301, Experimental Psychology.
Prerequisite: PSYC 101 or PSYC 290.
- PSYC 224**
CHILDREN'S RIGHTS AND CHILD ADVOCACY 3.0
 Explores the review and evaluation of the rights, privileges, and responsibilities of young citizens (preschool through adolescence); the process and goals of advocacy; the community services available to and lacking for the optimum development to maturity of young citizens. Psychology, education, sociology, mental health, law enforcement, medicine are domains of study and investigation.
- PSYC 225**
PSYCHOLOGY OF ADJUSTMENT 3.0
 Discusses individual and social adjustment; typical varieties of adjustive behavior illustrated by practical examples; factors which facilitate or impede people's adaptation to life situations such as work, marriage, disability, etc. Meets the General Education Requirement - Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 227**
PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY 3.0
 Topics include: Behavior and attitudes influenced by basic sexuality; widening perspectives to aid in decision-making; developmental periods and sexual relationships; connections between psychological theory and sexual mores; genetic understandings.
Prerequisite: PSYC 101.
- PSYC 230**
ENVIRONMENTAL PSYCHOLOGY 3.0
 Covers the influence of the physical environment on the behavior of organisms: population growth and regulation; crowding; sensory experience, enrichment and deprivation; motivational force of environmental stimulation; adaptation to environment as a function of prolonged exposure, salutary effects of aesthetically pleasing stimulation.
Prerequisite: PSYC 101.
- PSYC 231**
PSYCHOLOGY OF AGGRESSION 3.0
 The root causes of violence in America will be examined through case studies, (the protest-movement of the 1960's, sexual and physical abuse, violent-criminal activity, etc.) and familiarization with biochemical, psychological and socio-cultural research into causes and effects of aggression and violence. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.
- PSYC 235**
PSYCHOLOGY OF EXCEPTIONAL CHILDREN AND YOUTH 3.0
 Surveys, current practices and problems of exceptional children and youth. Explores the unique needs of individuals with handicaps that involve intellectual, sensory, motor, neurological, social and emotional origins. Utilizes analysis of case materials for theoretical and practical applications to the psychology of exceptionality.
Prerequisite: PSYC 101.

PSYC 245

MENTAL HEALTH ISSUES OF HISPANIC AMERICANS 3.0
Focuses on the personal, social, institutional and cultural forces that affect the mental health of Americans of Spanish descent. The course will cover issues such as the measurement of psychological functions, bilingualism, personal values and belief systems, the dynamics of the family and acculturation. A midterm and a final exam as well as a research paper will be required from students. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.

PSYC 246

PSYCHOLOGY OF THE BLACK EXPERIENCE 3.0
Covers the historical impact of scientific and institutional racism on the psychological study of blacks. Survey and critical analysis of traditional European approaches with non-traditional methods for comparison. Future development and advancement of a black psychology considered. Meets the General Education Requirement - Social Science, Survey Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirements.
Prerequisite: PSYC 101.

PSYC 248

PSYCHOLOGY AND LAW 3.0
Law and psychology share a common focus: the understanding, prediction and regulation of human behavior. Despite this commonality of interest, different emphasis on these elements and a different mandate have frequently hindered active communication and collaboration between the disciplines. The purpose of this course is to present the common ground of law and psychology, and show how they contribute to each other.
Prerequisites: PSYC 101.

PSYC 265

PSYCHOLOGY OF WOMEN 3.0
The course will investigate contemporary issues in the psychology of women (an opportunity for original research will be provided). Theoretical positions and recent research in the area will be examined. Meets the General Education Requirement - Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.

PSYC 290

INTRODUCTION TO COGNITIVE SCIENCE 3.0
An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy. Cross listed with Computer Science, CMPT 290.
Prerequisite: ANTH 100 or PSYC 101 or CMPT 183 or LGN 210 or PHIL 100.

PSYC 300

THE TEACHING OF PSYCHOLOGY 3.0
Students in this course work with a teacher of a large section of a Psychology course. The work includes record keeping, working on exams and term papers, working with students and teaching. Class discussions include techniques of teaching, motivating students, developing curriculum and ethical issues.
Prerequisites: PSYC 301; Psychology majors only and departmental approval.

PSYC 301

EXPERIMENTAL PSYCHOLOGY 4.0
Introduction to laboratory methods of research in areas such as motivation, perception and learning. Emphasis is on design and execution of exploratory investigations. (3 hours lecture, 3 hours laboratory)
Prerequisites: PSYC 220 and PSYC 203 or PSYC 290.

PSYC 302

HEALTH PSYCHOLOGY 3.0
The theoretical, empirical and clinical aspects of health psychology will be presented. The relation of health psychology with other areas of psychology and other scientific disciplines will be discussed. The historical developments of the field, its research methodologies, theoretical models and exemplary interventions will be described.
Prerequisite: PSYC 301.

PSYC 303

INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 3.0
Application of psychological principles and practices in business and industry. Problems of communication, group dynamics, man-machine relations, employee attitudes, accident prevention, industrial job selection techniques, motivation, executive leadership. Commonly used selection tests will be evaluated.
Prerequisite: PSYC 301.

PSYC 304

SOCIAL PSYCHOLOGY 3.0
Focuses on social behavior of the individual and the group, social perception, motivation, and learning; attitudes and values; development and dynamics of social groups; inter-group tension and prejudice; mass phenomena; psychological approaches to social issues.
Prerequisite: PSYC 301.

PSYC 305

PHYSIOLOGICAL PSYCHOLOGY 3.0
Anatomical, neural and biochemical bases of behavior are studied. Topics include localization of function, neurohormonal interaction, sensory and motor functioning, emotions, the relationship of neurophysiological processes and personality.
Prerequisite: PSYC 301.

PSYC 308

PERCEPTION 3.0
Discusses the theory and procedure of perceptual research. Theoretical approaches; modern psychophysical and perceptual research; traditional problems of perception constancies of size and color brightness.
Prerequisite: PSYC 301.

PSYC 310

INTRODUCTION TO PSYCHOLOGICAL TESTING 3.0
Tests of intelligence, aptitude, achievement and personality; principles of psychological testing; approaches to test construction.
Prerequisite: PSYC 301.

PSYC 313

COGNITION 3.0
The study of the acquisition, storage, retrieval, and use of knowledge, utilizing behavioral, observational, and computer modeling methods.
Prerequisite: PSYC 301.

PSYC 320

DEVELOPMENTAL PSYCHOLOGY I 3.0
This course surveys human psychological development from the prenatal period to adolescence. The interacting forces of heredity, environment and physical, cognitive, emotional and socio-cultural factors are reviewed in the light of current research and theory in these areas.
Prerequisite: PSYC 301.

PSYC 330

FORENSIC PSYCHOLOGY 3.0
An examination of the interaction between psychology and the legal system. Emphasis placed on the assessment and diagnosis of psychopathic behavior, court-mandated evaluations and the role of the psychologist as expert witness. The application of psychological knowledge within the criminal justice context. Ethical guidelines in forensic psychology.

PSYC 332

PSYCHOLOGICAL FOUNDATIONS OF PERSONALITY 3.0
Explores current approaches and theories of personality development and organization.
Prerequisite: PSYC 301.

PSYC 340

HUMAN LEARNING AND MEMORY 3.0
Covers research, language and methods of learning theory. Classical and operant conditioning, complex habits, remembering and forgetting, transfer of training, cognition and behavior modification. Review of animal research but primary emphasis is on people.
Prerequisite: PSYC 301.

PSYC 348

PSYCHOLINGUISTICS 3.0
Explores the study of language through linguistic, behavioral and cognitive methods. Basic linguistic ideas are used for the explication of problems in grammar, cognitive structure, meaning, and speech production and comprehension.
Prerequisite: PSYC 301.

PSYC 353	
COMPARATIVE ANIMAL BEHAVIOR	3.0
The student will explore experimental and field studies of behavior in a few selected animal species with particular reference to the behavior of vertebrates. The course will involve detailed study of instinctive behavior and imprinting, respondent and operant behavior with emphasis upon the procedures and variables concerned with the acquisition of new forms of behavior.	
<i>Prerequisite: PSYC 301.</i>	
PSYC 355	
MOTIVATION	3.0
The concepts of instincts, homeostasis, drive, reinforcement, arousal and inception are analyzed with reference to data drawn from many areas of experimentation. The primary emphasis is on the experimental, rather than the theoretical literature: motivational concepts relevant to human and animal research.	
<i>Prerequisite: PSYC 301.</i>	
PSYC 358	
FUNDAMENTALS OF CONDITIONING AND LEARNING	3.0
Major theoretical problems and theories of learning are considered. Includes experimental analysis of basic phenomena of conditioning and learning, studied primarily through experimental studies of infra-human organisms. Students may study selected topics more extensively.	
<i>Prerequisite: PSYC 301.</i>	
PSYC 360	
HISTORY AND SYSTEMS OF PSYCHOLOGY	3.0
Discusses the historical development of psychology; comparative analysis of the major schools of contemporary psychology and new trends and movements in psychological theory.	
<i>Prerequisite: PSYC 301.</i>	
PSYC 365	
ABNORMAL PSYCHOLOGY	3.0
Topics include an overview of psychopathological processes; neuroses, psychoses, and characterological disorders; feeling, thinking and behavioral aspects during the life span; diagnostic and treatment procedures.	
<i>Prerequisites: PSYC 225 or 332 and 301.</i>	
PSYC 366	
HEALTH PSYCHOLOGY: APPLICATIONS TO THE COMMUNITY	3.0
The course will present psychological contributions to interventions designed to promote health, prevent illness and avert further disability. Appropriate techniques to assess, plan, and implement programs at the community level will be discussed. The multidisciplinary, multilevel nature of community programs will be emphasized.	
<i>Prerequisite: PSYC 302.</i>	
PSYC 402	
SYSTEMS OF PSYCHOTHERAPIES	3.0
An overview of classical and contemporary systems of psychotherapy. Emphasis is placed on understanding each system in terms of its underlying theory of its underlying theory of personality, psychopathology and therapeutic impact. Studies of therapeutic efficacy are also covered. Other issues include such topics as the training of psychotherapists and the ethical issues involved in psychotherapy.	
<i>Prerequisite: PSYC 365 and departmental approval.</i>	
PSYC 420	
PACKAGED COMPUTER PROGRAMS FOR PSYCHOLOGY	1.0
A detailed review on the use of a computer package for the purpose of doing statistical analyses of psychological data. The instructor will select one such package for presentation and choose among SSPS, EcStatic, BMD, SAS, and others. Instruction will be provided on coding, data entry, menu selection, score transformation, and exporting.	
<i>Prerequisite or Corequisite: PSYC 220 or a course on psychological statistics.</i>	
PSYC 430	
CONTEMPORARY ISSUES IN CHILD ADVOCACY	3.0
An in-depth study of current topics in the field of child advocacy. The impact of Megan's Law, advocacy for adopted children, child right-to-life movement, and repressed memory syndrome are among the possible issues to be explored. A multi-disciplinary focus will be used to enhance student understanding and learning.	
PSYC 459	
SPECIAL TOPICS IN PSYCHOLOGY	3.0
An in-depth view of important theoretical and methodological issues in a specific area of psychology. The area to be covered is chosen by the instructor. The course permits the instructor and students to examine psychological issues which are either not covered in the curriculum or which deserve more in-depth treatment than is possible in a regular course. The course may be taken no more than twice as part of major degree requirements in psychology.	
<i>Prerequisite: PSYC 301.</i>	
PSYC 490	
SEMINAR IN COGNITIVE SCIENCE	3.0
Seminar discussion of foundation works and contemporary research articles in Cognitive Science. With the instructor's guidance and supervision, each student will define an area of Cognitive Science for comprehensive in-depth review of research and write a literature review. Professional issues in Cognitive Science are discussed.	
<i>Prerequisites: PSYC/CMPT 290, PSYC 301, and any one of the following: PSYC 313, LNGN 300, LNGN 380, LNGN 420.</i>	
PSYC 491	
INDEPENDENT STUDY I: RESEARCH	1.0-3.0
Individual research project under supervision of a professor in the department.	
<i>Prerequisite: Departmental approval.</i>	
PSYC 492	
INDEPENDENT STUDY II: RESEARCH	1.0-3.0
Individual research project under supervision of a professor in the department.	
<i>Prerequisite: Departmental approval.</i>	
PSYC 495	
PSYCHOLOGY HONORS I	4.0
With the instructor's guidance and supervision, each student will define an area of psychology for a comprehensive, in-depth review of research; generate research questions and hypotheses; delineate appropriate design, methodology and statistical analyses to answer these questions and test these hypotheses; collect and analyze preliminary data; and write an Honors Thesis Proposal.	
<i>Prerequisite: PSYC 301; departmental approval; overall GPA of 3.5.</i>	
PSYC 496	
PSYCHOLOGY HONORS II	4.0
This course constitutes the second semester of Psychology Honors. Students are expected to gather, analyze and interpret the data for their honors project, write the analysis and discussion chapters, and submit their completed honors thesis. Students who successfully complete this course will graduate with honors in Psychology.	
<i>Prerequisite: Completion of PSYC 495 with a grade of A or A-.</i>	

READING AND EDUCATIONAL MEDIA

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Dierdre Glenn Paul

The Department of Reading and Educational Media prepares professionals for leadership roles in various institutional contexts and provides support services to the campus and community. The department also offers an M.A. in Reading, and course work leading to certification for Reading Teacher, Reading Specialist, Associate Media Specialist and Media Specialist.

Reading Program

The Reading Program encompasses several major areas at the undergraduate level. These areas include a reading course fulfilling the general education requirements, nine semester hours in the teaching of reading and critical thinking for students enrolled in teacher education programs, a reading minor, and personal reading improvement such as study skills and speed reading.

The course READ 105 Reading: Communicating Through Text fulfills a general education requirement for full-time freshmen and part-time students. The courses designed to meet initial certification for teacher education majors are READ 400 Foundations of Reading Instruction, READ 407 Reading: Theory and Process, READ 408 Reading: The Content Areas, and READ 409 Teaching for Critical Thinking (cross-listed with CURR 409 and EDFD 409). A Reading minor with 12 semester hours in related areas is available. Upon completion of the minor, and associated courses, students are eligible for the Reading Teacher Certificate. See advisor for endorsement or certification guidelines in reading.

Students can enhance their personal reading improvement and study skills by enrolling in READ 102 College Reading and Study Skills Improvement.

For all students who must meet their basic reading skills requirement, the Reading Department offers a three-semester-hour non-additive credit course entitled READ 053 Basic Reading Skills.

The department also offers READ 100 College Learning and Thinking Skills, a course for freshmen in the Program for Academic and Student Support (PASS) to develop the cognitive and affective strengths needed for college success.

Faculty in the Reading and Study Skills Center will advise students regarding academic or personal Reading programs. Tutoring and independent work are also available.

Reading Minor

The course sequence in Reading will be coordinated with the course sequence in the major program. A minimum of 24 semester hours will be required for the completion of the minor.

Required Courses

	Semester Hours
READ 400 Foundations of Reading Instruction	3
READ 402 Survey of Reading Methods in Secondary Subjects	3
READ 403 Practicum in Reading and the Improvement of Study Skills	3
READ 404 Diagnosis and Treatment of Reading Problems	3
PSYC 235 Psychology of Exceptional Children and Youth (prerequisite)	3

Electives (Departmental)

Select 9 semester hours from the appropriate list to be obtained from the department

Note: Students may take a personal reading improvement program as a service through the Reading and Study Skills Center.

Educational Media

Libraries have traditionally been storehouses of printed materials. As we enter the 21st century the scope of library holdings is expanding to include materials in a variety of formats: Video, CD-Rom, computer programs and information accessed from the Internet. The Educational Media program provides students with up-to-date course work leading to New Jersey state certification on the graduate level as an Associate Educational Media Specialist or as an Educational Media Specialist. Departmental offerings also include an undergraduate Media course, MEDI 355 Media in Intercultural Communication which fulfills the General Education Requirement in Contemporary Issues.

Requirements for the Associate Educational Media Specialist Certificate

Satisfactory completion of not fewer than 18 semester hours of work as follows: (In exceptional cases appropriate substitutions or changes may be made in these requirements upon approval by the program advisor.)

I. Prerequisites

1. To be determined by departmental advisement in reference to any deficiencies made apparent by New Jersey Standards for Coordination and Development of Educational Media Services for Public Schools.
2. A Bachelor's degree and a curriculum approved for a standard New Jersey Teachers' Certificate, or a Bachelor's degree plus a New Jersey Teacher's Certificate.

II. Specialization in Educational Media

	Semester Hours
MEDI 401 Fundamentals of Cataloging and Classifying Educational Resources	3
MEDI 402 Reference and Bibliography for School Resource Centers	3
MEDI 403 Reading Materials for Children and Youth (Selection and Evaluation)	3
MEDI 500 Media, Technology and Learning in the Curriculum	3
MEDI 520 Production of Materials for Media Technology	3
MEDI 521 Design of Innovative Curriculum Resources	3
MEDI 540 Television Production in Education	3
MEDI 541 Television Programming in Education: Independent Study	3
MEDI 550 Administration and Supervision of Media in Education	3
MEDI 570 Developing Materials for Computer Technology in Training and Education	3
MEDI 610 Research and Development Seminar in Instructional Technology and Resources	3
Minimum: 18 semester hours	
MEDI 615 Supervised Field Experience for Educational Media Certification	3
When field experience is required:	Minimum: 21 semester hours

Courses of Instruction

MEDI 355
MEDIA IN INTERCULTURAL COMMUNICATION 3.0
Offered to develop an awareness of the ways in which media are effective for solving problems of communication in intercultural situations. Cultural and technological factors affecting accuracy and meaning in human expression receive major attention. The ability to identify a communications problem between or among cultures, and select and implement a media remedy is stressed. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

MEDI 401
FUNDAMENTALS OF CATALOGING AND CLASSIFYING EDUCATIONAL RESOURCES 3.0
Covers principles involved in cataloging and classification of print and non-print materials according to established classification schemes. Extensive practice through laboratory experience provided.

MEDI 402
REFERENCE AND BIBLIOGRAPHY FOR SCHOOL RESOURCE CENTERS 3.0
 An examination and analysis of basic reference materials with emphasis on those most useful in library resource centers. Encyclopedia, dictionaries, geographical and statistical sources as well as bibliographies are included.

MEDI 403
READING MATERIALS FOR CHILDREN AND YOUTH: SELECTION AND EVALUATION 3.0
 A study and evaluation of library materials provided by the modern school media center to meet the needs of youth. Extensive critical reading of books for children and young adults is required. Principles of book selection are emphasized and experience in the use of selection tools is provided. The point of view relates the library collection to the total school program.

READ 053
BASIC READING SKILLS 3.0
 An intensive laboratory course for students who must fulfill their minimum basic skills requirement in reading. Non-additive credit. Traditional grading procedures in effect.

READ 102
COLLEGE READING AND STUDY SKILLS IMPROVEMENT 3.0
 Workshop for college students whose reading-study problems interfere with school progress. Supervised practice promotes vocabulary growth, flexible speeds, comprehension and recall, skimming, interpretative and critical techniques. Reviewing for examinations, keeping up with daily assignments, taking notes and organizing content.

READ 105
READING: COMMUNICATING THROUGH TEXT 3.0
 This course, designed for the general student, will foster a critical understanding of the processes involved in efficient and effective reading. Emphasis will be placed on developing students' life-long reading habits in relation to comprehension, aesthetic sensibilities and analytical skills. Meets the General Education Requirement - Communication, Reading.

READ 301
TUTORING AND SMALL GROUP INSTRUCTION 2.0-4.0
 Designed to provide tutors, teacher aids, and other personnel with the necessary background of knowledge, skills and understanding to enable them to serve in educational environments in schools, hospitals, prisons, neighborhood youth corps, community action programs, etc. Students enrolled in this course will learn how they can increase the academic performance of the learner; how they can supplement rather than subvert what the instructor in the formal educational environment will do. (Open to undergraduates, volunteers, and personnel from community action programs.) May be taken as an elective or as part of the reading minor.

READ 400
FOUNDATIONS OF READING INSTRUCTION 3.0
 Good first teaching of reading is of primary importance. The sequential development of reading skills extend into the junior and senior high schools. Methods and materials currently in use in elementary reading programs are studied with a view toward increasing the power of both the teacher and the learner. How the reading process begins, and how it is reinforced are topics fundamental to all upper grade teachers faced with the problem of continuing reading skills development in curriculum areas. Tutoring experience in nearby elementary schools is required.

READ 402
SURVEY OF READING METHODS IN SECONDARY SUBJECTS 3.0
 The following are explored: the role of good reading for academic and personal success; the physiological, psychological and sociological factors in reading; resources available. The school's responsibility to help the student build reading skills; reading opportunities in the entire curriculum. Field work required.

READ 403
PRACTICUM IN READING AND THE IMPROVEMENT OF STUDY SKILLS 3.0
 The following areas are explored: recent materials and research for teaching and learning; the SQ3R approach; taking examinations; reading and problem solving; memory and concentration; taking and organizing reading notes; and the reading of homework assignments. Students tutor collegians in these areas. Field work required.

READ 404
DIAGNOSIS AND TREATMENT OF READING PROBLEMS 3.0
 Problems of the handicapped; recent materials and research; evaluative and corrective techniques; diagnostic treatment and methodology are covered. An on-going student diagnosis of a school-age child is required. Field work required.

READ 407
READING: THEORY AND PROCESS 3.0
 Designed for classroom and non-classroom personnel whose major responsibility is instructing students. Major focus will be on developing those skills, understandings and competencies in the nature of the reading process in specific word recognition and comprehension strategies, and in classroom diagnostic techniques.
Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

READ 408
READING: THE CONTENT AREAS 3.0
 Designed to enable content area teachers to understand the developmental nature of the reading process and employ specific techniques to facilitate and improve reading competencies.
Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

READ 409
TEACHING FOR CRITICAL THINKING 3.0
 Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Curriculum and Teaching, CURR 409 and Educational Foundations, EDFD 409.
Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

SOCIOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Jay Livingston

Sociology looks at aspects of societies that transcend the individual - social phenomena such as culture and social structure. It also explores the relationships among the individuals and groups that make up the social world. Areas of concern include: the causes and effects of the distribution of wealth and power in a society; the impact of social categories such as gender, race, and age; the nature of social institutions such as religion, the family, and education; the ways that individuals organize and influence their everyday lives. Sociology enables the student to understand broader social and historical forces and their relation to the lives of individuals.

The Sociology major provides a background for those who seek careers in social research, law enforcement, human resources, social work, teaching, journalism, and other fields.

The minor in Criminal Justice, described in this catalog under Interdisciplinary Minors, focuses on various types of crime and social institutions that aim to control crime.

The Sociology Department offers a Bachelor of Arts degree.

Sociology Major

Required Courses

18 Semester Hours

SOCI 201	Foundations of Sociological Inquiry	4
SOCI 240	Statistics for Social Research	4
SOCI 301	Sociological Research Methods I	4
SOCI 313	Sociological Theory: Critical Analysis	3
SOCI 400	Senior Research Project	3

Note: It is important to try to meet the methods requirement no later than the junior year.

Electives (Departmental)

Select 21 semester hours from the following:

(9 semester hours must be selected from 300 or 400 level courses with appropriate approval.)

SOCI 100	The Sociological Perspective	3
SOCI 101	Criminology	3
SOCI 112	Sociology of Leisure	3
SOCI 113	Social Problems	3
SOCI 200	Sociology of Education	3
SOCI 202	Racial and Ethnic Relations	3
SOCI 203	Sociology of Organized Crime	3
SOCI 204	Sociology of the Family	3
SOCI 205	Black Family	3
SOCI 206	Individual and Society	3
SOCI 207	Social Structure of American Society	3
SOCI 209	Sociology of Poverty and Welfare	3
SOCI 211	Sociology of Health and Illness	3
SOCI 212	Sociology of Technology	3
SOCI 214	Sociology of Conflict and Violence	3
SOCI 216	Sociology of Food and Population	3
SOCI 218	Sociology of Population	3
SOCI 219	Sociology of Aging	3
SOCI 220	Sociology of Rich and Poor Nations	3
SOCI 231	Social Bases of the Arts	3
SOCI 301	Sociological Research Methods I	4
SOCI 302	Sociological Research Methods II	3
SOCI 303	Large Scale Organizations	3
SOCI 304	Sociology of Work and Professions	3
SOCI 310	Directed Independent Research	3
SOCI 311	Urban Sociology	3
SOCI 312	Environmental Sociology	3
SOCI 313	Sociological Theory	3
SOCI 315	Social Stratifications	3
SOCI 321	White Collar Crime	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 325	Sociology of Police	3
SOCI 330	Political Sociology	3

SOCI 334	Comparative Social Analysis	3
SOCI 336	Sociology of Helping Professions and Institutions	3
SOCI 351	Juries and Justice	3
SOCI 353	Sociology of Corrections	3
SOCI 390	Cooperative Education in Sociology	3
SOCI 400	Senior Research Project	3
SOCI 401	Sociology of Emotions	3
SOCI 405	Deviance and Social Control	3
SOCI 407	Sociology of Mass Media	3
SOCI 408	Social Movements	3
SOCI 411	Selected Topics in Sociological Theory	3
SOCI 412	Selected Topics in Social Research Methods	3
SOCI 413	Selected Topics in Institutional Processes	3
SOCI 414	Selected Topics in Applied Sociology	3
SOCI 416	Qualitative Research in Sociology	3
SOCI 426	Sociology of Sexuality	3
SOCI 430	Sociology of Gender	3

Sociology Minor

Required Courses

18 Semester Hours

SOCI 100	The Sociological Perspective	3
----------	------------------------------------	---

Electives (Departmental)

Select up to 9 semester hours of 100-200 level Sociology

Select at least 6 semester hours of 300-400 level Sociology courses

Justice Studies Major, Justice Systems Concentration

The Sociology Department, along with the departments of Psychology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Justice systems. The Justice systems concentrations focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. It includes optional areas of emphasis in the Criminal Justice Systems, Juvenile Justice, and Empirical Perspectives in Justice Systems. The Criminal Justice system optional areas of emphasis meets and exceeds the minimum standards for Criminal Justice Education set by the Northeastern Association of Criminal Justice Sciences. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Justice Systems concentration may take any minor except Criminal Justice. Dr. David J. Dodd serves as advisor for the Justice Systems concentration. For the complete program see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

SOCI 100

THE SOCIOLOGICAL PERSPECTIVE 3.0

An introduction to the study of human groups from peer groups to families to societies. How and why culture, social structure, and group processes arise. Consequences of social forces for individuals. Meets the General Education Requirement - Social Science, Survey Course.

SOCI 101

CRIMINOLOGY 3.0

Definitions of crime; sociological explanation of crime; the nature and extent of criminal behavior. Analysis of different types of crime, including juvenile delinquency, corporate crime, crimes against women, and crimes by police. Institutions of social control: police, courts, prisons. Meets the General Education Requirement - Social Science, Topic Course.

- SOCI 112**
SOCIOLOGY OF LEISURE 3.0
 This course examines the sociology of sports and leisure from diverse theoretical perspectives. Activities explored include recreational and competitive sports (baseball, basketball, swimming, football, hockey, gymnastics) among children, high school, college, and adult age groups; youth and adult games (cops and robbers, power rangers, cards, etc.); sex; drinking; gambling; mushroom collecting; and T.V. (football games and soap operas). Topics discussed include the role of leisure and sport activities in character development, gender activity, and social relationships; the effect of leisure and sport activities on education and occupational mobility; risk and injury in leisure and sports; and the political, economic, and ideological role of leisure and sports activity in the reproduction of society.
- SOCI 113**
SOCIAL PROBLEMS 3.0
 How social structure and social institutions are related to problems such as discrimination, environmental pollution, violence, and poverty. Meets the General Education Requirement - Contemporary Issues.
- SOCI 201**
FOUNDATIONS OF SOCIOLOGICAL INQUIRY 4.0
 An introduction to the methods and theory of sociological inquiry. Topics include: comparisons of dominant paradigms of sociological thought, critical analysis of basic concepts in the field, logic and rhetoric of sociological analysis and ethical and value issues in the practice of sociology. Emphasis will also be placed upon writing sociology: documentation, literature search, organization, and style.
Prerequisite: ENGL 105.
- SOCI 202**
RACIAL AND ETHNIC RELATIONS 3.0
 The social meaning of race and ethnicity. The social, psychological, and structural sources of racism; the consequences of this phenomenon to groups; situation and comparative data. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- SOCI 203**
SOCIOLOGY OF ORGANIZED CRIME 3.0
 Organized crime as a sociological phenomenon. The methods and goals of large-scale crime and its economic, political, and social costs; popular attitudes towards organized crime; efforts of enforcement and investigation agencies to deal with the problem.
- SOCI 204**
SOCIOLOGY OF THE FAMILY 3.0
 Discussion of "official" and "unofficial" (single parent, gay/lesbian) family relationships; compare current U.S. family forms with those of other historical periods and societies; examine trends in contemporary societies affecting family forms such as changing work role of women, changed sexual norms in courtship, and recent changes in divorce rate; analyze issues in the "politics of the family." Meets the General Education Requirement - Social Science, Topic Course.
- SOCI 205**
BLACK FAMILY 3.0
 The black family in American society; historical perspectives and contemporary conflicts surrounding the black family. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- SOCI 206**
INDIVIDUAL AND SOCIETY 3.0
 The relationship between culture, social structure, various institutions and the individual's social perceptions, sense of self, and self-presentation are explored in this course. The structure of small groups is also discussed. Meets the General Education Requirement - Electives Personal/Professional Issues.
- SOCI 207**
SOCIAL STRUCTURE OF AMERICAN SOCIETY 3.0
 Empirical materials on social structure. Inter-institutional relations as the form of the broad, general structure of American society. Meets the General Education Requirement - Social Science, Topic Course.
- SOCI 209**
SOCIOLOGY OF POVERTY AND WELFARE 3.0
 Poverty and welfare institutions as social phenomena. The meaning of poverty, absolute and relative deprivation, the functions of social welfare institutions. Meets the General Education Requirement - Contemporary Issues.
- SOCI 211**
SOCIOLOGY OF HEALTH AND ILLNESS 3.0
 Social and cultural definitions of health and illness, social sources of illness, the social role of the "sick," comparative medical beliefs and practices and medical institutions. Meets the General Education Requirement - Contemporary Issues.
- SOCI 215**
SOCIOLOGY OF SPORTS 3.0
 This course will examine the major theoretical and substantive writings on the sociology of amateur and professional sports. Topics to be explored from conflict, functionalist, and symbolic interactionist perspectives include socialization and athletic identity, women in sports, race and class in sports, gender relations and sport participation, sports in the media, sport and the reproduction of society, and fieldwork among college and professional athletes.
- SOCI 219**
SOCIOLOGY OF AGING 3.0
 With a shift in America's population toward an older society, it becomes important to understand the aging process and its implications for various social institutions. This course examines demographic characteristics which influence the aging process; various theories to explain the process; and specific policies, nationally and locally, to address it.
- SOCI 220**
SOCIOLOGY OF RICH AND POOR NATIONS 3.0
 This course focuses on the interrelationships between development and underdevelopment and the division of the world into rich and poor nations. The phenomenon of underdevelopment is analyzed in sociological terms by emphasizing its demographic, stratification, migratory, ideological, educational, family and religious aspects. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives.
- SOCI 230**
SOCIOLOGY OF CONFLICT AND VIOLENCE 3.0
 Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Cross listed with Anthropology, ANTH 230. Meets the General Education Requirement - Contemporary Issues.
- SOCI 232**
INTRODUCTION TO CRIMINAL JUSTICE 3.0
 Do the three main sectors of the criminal justice system—the police, the courts, and corrections—have an impact on crime, achieve justice, and constitute a system? This course will look at the historical development of each of these sectors, their relation to broader social forces, and their internal problems and dilemmas. Topics may include current controversies (police brutality; the death penalty and other sentencing trends; community policing; plea bargaining; parole) as well as the impact of broader issues like race, gender, and social class.
- SOCI 238**
RESEARCH METHODS IN CRIMINAL JUSTICE 3.0
 An introduction to methods of social research and their particular application to the study of criminal justice. Defining research questions and designing ways of getting systematic evidence relevant for those questions. Understanding the nature of aggregate data, probability, and social science generalization. Creating variables — conceptualization, definition, and measurement. Basic statistical measures, descriptive and inferential. Quantitative and qualitative data. A critical look at existing sources of criminal justice data. Problems of access, quality of data, and interpretation. Ethical issues.
- SOCI 240**
STATISTICS FOR SOCIAL RESEARCH 4.0
 The use of statistics to summarize data, and to show relationships among variables. Evaluating research reports based on statistics. Use of the computer to analyze data. Cross listed with Justice Studies, JUST 240.

- SOCI 301**
SOCIOLOGICAL RESEARCH METHODS I 4.0
 Introduction to primary methods of gathering sociological data: experimentation, survey research, participant observation, etc. Use of computers to analyze data. The formulation of hypotheses, survey design, participant observation and the use of elementary statistics.
Prerequisites: SOCI 201 and SOCI 240.
- SOCI 302**
SOCIOLOGICAL RESEARCH METHODS II 3.0
 The formulation of hypotheses, survey design, participant observation and the use of elementary statistics; certain broad problems in the philosophy of social science.
Prerequisite: SOCI 301.
- SOCI 303**
LARGE SCALE ORGANIZATIONS 3.0
 The structure and functions of bureaucracy in modern society; the life cycle of large organizations and their methods of operation; selected contemporary problems.
Prerequisite: One course in sociology or departmental approval.
- SOCI 304**
SOCIOLOGY OF WORK AND PROFESSIONS 3.0
 The development of modern focus of work; the shift from manufacturing to service occupations; and problems of work alienation; current models of labor-management relations in the U.S. compared to western Europe and Japan; the effects of new technology on skill, employment levels, and on labor management relations; conceptions of the professions and their role in society; the process of an occupation becoming a profession.
Prerequisite: One course in sociology or departmental approval.
- SOCI 310**
DIRECTED INDEPENDENT RESEARCH 3.0-9.0
 Research and report under faculty direction. The student selects, for investigation, an area of sociological concern with the approval of a faculty supervisor. Multiple semester selection permitted with approval.
Prerequisite: Departmental approval.
- SOCI 311**
URBAN SOCIOLOGY 3.0
 Processes of urbanization and suburbanization; nature of urban social relations, including racial and ethnic relations; urban ecological patterns and demographic conditions. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: One course in sociology or departmental approval.
- SOCI 312**
ENVIRONMENTAL SOCIOLOGY 3.0
 The role of sociology in understanding and analyzing the environment, environmental issues and problems, and the sociocultural sources and structure of environmentalism and environmental movements. Various perspectives and approaches to explaining the relationship between society and the environment are explored.
- SOCI 313**
SOCIOLOGICAL THEORY: A CRITICAL ANALYSIS 3.0
 A comparison of important theories on key themes in sociology; the nature of social interaction, the definition of power, stratification, social control and deviance, alienation and anomie, social structure and function, social bases of knowledge and belief, and social conflict and change.
Prerequisite: SOCI 201 or departmental approval.
- SOCI 315**
SOCIAL STRATIFICATION 3.0
 The inequalities of social ranking systems in societies. Theoretical and empirical approaches to stratification delineating the variables of power, power elites, class consciousness, alienation and class mobility. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.
- SOCI 321**
WHITE COLLAR CRIME 3.0
 An examination of the nature, scope, forms, and styles of occupational and business-related criminal activities in the U.S., as well as their social, political, and economic implications.
Prerequisite: One course in sociology or departmental approval.
- SOCI 322**
JUVENILE DELINQUENCY AND JUVENILE JUSTICE 3.0
 This course will deal with the major sociological explanations of juvenile delinquency. The relationship between juvenile crime and justice and the socio-economic and institutional arrangements of the larger society will be the primary focus.
Prerequisite: One course in sociology or departmental approval.
- SOCI 325**
THE SOCIOLOGY OF POLICE 3.0
 The course will examine the urban police organizations from diverse sociological perspectives. Subjects include media images of the police, police discretion, police use of force, police lying, police corruption, women in policing, ethnic minorities in policing, and researching the police.
- SOCI 330**
POLITICAL SOCIOLOGY 3.0
 This course will endeavor to give the student a relatively complete understanding of the social dynamics of political actions on various levels.
Prerequisite: One course in sociology or departmental approval.
- SOCI 336**
THE SOCIOLOGY OF HELPING PROFESSIONS AND INSTITUTIONS 3.0
 This course focuses on the social functions, determinants, and consequences of helping professions such as social work, and helping institutions such as public welfare. Particular emphasis is placed on the relations of helping professions and institutions with their socio-political environment and with their clients.
Prerequisite: One course in sociology or departmental approval.
- SOCI 351**
JURIES AND JUSTICE 3.0
 An examination of the roots of the American jury system and the role of trials in the social construction of morality. Consideration of issues related to jury pools, selection, and representativeness. Examination of data from research on group processes within actual and mock juries, including communication and decision making in juries and juror bias. Students will also conduct field studies in local courts.
- SOCI 353**
SOCIOLOGY OF CORRECTIONS 3.0
 Traces the historical development of corrections in the United States and examines present trends. Explores the socio-political nature of various correctional policies, with special emphasis on current trends and controversies. Analyzes prison life from the perspectives of administrators, correction officers, and inmates.
- SOCI 390**
COOPERATIVE EDUCATION IN SOCIOLOGY 8.0
 The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator, and the office of Cooperative Education and is responsible for completing the terms of a learning contract.
Prerequisite: Departmental approval.
- SOCI 400**
SENIOR RESEARCH PROJECT 3.0-9.0
 Each student will select one sociological research topic or setting to explore utilizing qualitative and/or quantitative methods. Students will conduct their own empirical research under faculty supervision. Since different faculty members emphasize different research methods, students are urged to review individual syllabi prior to registering for the course.
Prerequisites: SOCI 301 and senior standing and departmental approval.
Prerequisite or Corequisite: SOCI 313 must be taken before or during the Senior Research Project.

SOCI 401
SOCIOLOGY OF EMOTIONS 3.0
Humans have a unique capacity to experience a large variety of emotions. This course examines how cultures label, shape, and guide their members' emotional experience. It also explores the interplay between social-structural arrangements (e.g., family and economic systems) and emotion, illustrating links between macro-social patterns. Students will conduct original research on social factors related to emotionality.
Prerequisites: SOCI 301 or equivalent.

SOCI 405
DEVIANCE AND SOCIAL CONTROL 3.0
Theoretical perspectives on human deviance. The social organization of specific types of deviance and of formal and informal social control.
Prerequisite: One course in sociology or departmental approval

SOCI 407
SOCIOLOGY OF THE MASS MEDIA 3.0
Television, press, film, and other media--their social organization and how they function. Who the media influences--and how. Who influences the media--and how.
Prerequisite: Once course in sociology or departmental approval.

SOCI 408
SOCIAL MOVEMENTS 3.0
This course focuses on the study of concerted collective behavior for social change, or social movements. Various approaches to the understanding of social movements, including the natural history, case study, and analytical models, will be examined.

SOCI 411
SELECTED TOPICS IN SOCIOLOGICAL THEORY 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to only the general area of sociological theory.
Prerequisite: One course in sociology or departmental approval.

SOCI 412
SELECTED TOPICS IN SOCIOLOGICAL RESEARCH METHODS 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to projects or study in research methodology.
Prerequisite: One course in sociology or departmental approval.

SOCI 413
SELECTED TOPICS IN INSTITUTIONAL PROCESSES 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to a consideration of problems in institutional processes.
Prerequisite: One course in sociology or departmental approval.

SOCI 414
SELECTED TOPICS IN APPLIED SOCIOLOGY 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to the application of sociological methodology, theory, or content to social situations or to community issues or problems.
Prerequisite: One course in sociology or departmental approval.

SOCI 426
SOCIOLOGY OF SEXUALITY 3.0
The course examines theoretical and empirical work in the sociology of sexuality. It seeks to understand the social foundations of sexual behavior and sexual identity. It explores the relationship between sexuality and politics, focusing on current as well as historical conflicts over sexual behavior and ideologies.
Prerequisite: One course in sociology or departmental approval.

SOCI 430
SOCIOLOGY OF GENDER 3.0
The social determinants of differences between women and men and the effect of sex role differentiation in the social institutions of marriage and family, the economy and work situation, formal education, health, mass media, and religion; special emphasis is placed on the impact of social change on sex roles in contemporary society. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.

SPANISH/ITALIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: John Zahner

The major programs in Spanish and Italian are designed to help students achieve linguistic fluency, an appreciation of literature and a comprehensive knowledge of cultural history. The Spanish curriculum embraces both Spain and Spanish America, and the Department also offers courses in Portuguese.

Majors in both Spanish and Italian may elect a program in teacher certification which includes a semester of supervised practice teaching. A "second teaching field" sequence is available for both Spanish and Italian.

A special option in Spanish is a four-course concentration in translating and interpreting which provides a practical background for students preparing for careers in business, law, social service and other areas.

The Department also offers minor sequences in Spanish and Italian. Majors intending to pursue graduate studies are advised to acquire proficiency in at least one additional language. Minors such as Latin American and Latino Studies and Paralegal Studies provide further opportunities for specialized training. Additionally, Cooperative Education internships, providing both college credits and remuneration for supervised work experience, can be arranged for students of Spanish and Italian.

Study Abroad

It is highly recommended that majors spend a year, a semester or a summer studying in a Spanish or Italian speaking country. This study should preferably be planned for the junior year.

After successful completion of the program, credits will be granted by evaluation.

Spanish Major

Required Courses

	Semester Hours
36 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
Literature Electives	12
Select 12 semester hours with at least two courses from literature and one from language. The literature courses must be at or above the 300 level. Obtain elective list from the department.	
Cultural Elective (from approved departmental list)	3
Language Elective (from approved departmental list)	3

Spanish Major with Translation Concentration

Required Courses

	Semester Hours
39 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
Major Literature Electives (from approved departmental list)	6
Cultural Elective (from approved departmental list)	3
Concentration in Translation Requirements:	
SPAN 350 Translating I	3
SPAN 351 Translating II	3
SPAN 452 Translating III	3
SPAN 450 Introduction to Interpreting	3

The concentration in translation is designed to enhance the preparation of Spanish majors who are considering careers in diplomatic service, business, social service or law or who have an interest in literary translation.

Students who have successfully completed Translating III are eligible to take the certification examination given each year in May.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. As part of the professional sequence students must take SPAN 419 The Teaching of Spanish in Secondary Schools.

Required Courses

	Semester Hours
36 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 343 Introduction to Phonetics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
SPAN 410 Advanced Spanish Grammar	3
Literature Elective Courses (from approved department list)	9
Cultural Elective (from approved department list)	3

Second Teaching Field in Spanish

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Required Courses

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 343 Introduction to Spanish Phonetics	3
SPAN 344 Spanish Conversation	3
SPAN 374 Spanish Cultural History	3
OR	
SPAN 376 Spanish American Cultural History	3
SPAN 410 Advanced Spanish Grammar	3

Electives (Major)

Select 6 semester hours in literature courses from the appropriate list to be obtained from the department.

Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take SPAN 419, The Teaching of Spanish in Secondary Schools.

Spanish Minor

Required Courses

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 364 Masterpieces of Spanish American Literature II	3

Electives (Major)

Select 6 semester hours from electives in language, literature and culture listed below:

Literature Electives	
SPAN 349 Introduction to Literary Studies	3
SPAN 441 Spanish Novel of the 20th Century	3
SPAN 442 Spanish Poetry and Drama of the 19th Century	3
SPAN 443 Spanish Prose of the 19th Century	3
SPAN 444 Spanish Theater of the 20th Century	3
SPAN 446 Spanish American Essayists	3
SPAN 447 Contemporary Spanish American Short Story	3
SPAN 448 Contemporary Spanish American Poetry	3
SPAN 449 Spanish American Novel	3
SPAN 460 El Quijote	3

SPAN 466	Contemporary Spanish American Theater	3
SPAN 469	The Drama of the Golden Age	3
SPAN 470	Senior Seminar	3
SPAN 471	Contemporary Trends in the Spanish American Theater	3
SPAN 472	Puerto Rican Literature and Thought	3
SPAN 480	Independent Study	3
Language Electives		
SPAN 343	Introduction to Spanish Phonetics	3
SPAN 344	Spanish Conversation	3
SPAN 347	Commercial Spanish	3
SPAN 350	Translation I	3
SPAN 351	Translation II	3
SPAN 410	Advanced Spanish Grammar	3
SPAN 422	Practicum in Translating	3
SPAN 450	Introduction to Interpreting	3
SPAN 452	Translation III	3
Cultural Electives		
SPAN 374	Spanish Cultural History	3
SPAN 376	Spanish American Cultural History	3

Total Semester Hours 18

Italian Major

Required Courses

15 Semester hours:

ITAL 242	Italian Grammar and Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th to 20th Centuries	3
ITAL 360	Italian Cultural History	3

Electives (Major)

Select 21 semester hours from the appropriate list obtained from the department with at least one course from literature and one from language.

Italian Minor

Required Courses

ITAL 242	Italian Grammar and Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th through 20th Centuries	3
ITAL 360	Italian Cultural History	3

Elective

Select 3 semester hours from the appropriate list obtained from the department.

Total Semester Hours 18

Teacher Certification

Students interested in teaching Italian must be admitted to the Teacher Education Program. See the professional sequence outlined in this catalog. As part of the professional sequence for Italian ITAL 419 The Teaching of Italian in Secondary Schools must be taken.

Major Requirements: (21 s.h.)

ITAL 242	Italian Grammar and Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 309	Italian Conversation	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th to 20th Centuries	3
ITAL 360	Italian Cultural History	3
ITAL 410	Italian Grammar for Teachers	3

Major electives: Select 15 semester hours from a list to be obtained by the department.

Total semester hours 36

Second Teaching Field in Italian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

ITAL 242	Italian Grammar Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 309	Italian Conversation	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th through 20th Centuries	3
ITAL 360	Italian Cultural History	3
ITAL 410	Italian Grammar for Teachers	3

Elective

Select 3 semester hours from the appropriate list obtained from the department. Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take ITAL 419, The Teaching of Italian in Secondary Schools.

Hispanic Community Affairs Minor

Required Course

SPAN 472	Puerto Rican Literature and Thought	
OR		
SPAN 280	Cuban Cultural History	3

Electives

Select 12 semester hours in courses from the interdepartmental list obtained from the department of Spanish and Italian.

Field Work

Semester Hours

Select 3 courses:

SPAN 360	Hispanic Community Program	3
SPAN 481	Field Work I	3
SPAN 482	Field Work II	3
SPAN 483	Field Work III	3

Courses of Instruction

SPAN 101		
SPANISH I		3.0
For students with no previous Spanish. Training in understanding, speaking and writing the language. Meets the General Education Requirement - Foreign Language.		
<i>Prerequisite: Special fee.</i>		

SPAN 102		
SPANISH II		3.0
Training in understanding, speaking, reading, and writing the language. A continuation of Spanish I. Meets the General Education Requirement - Foreign Language.		
<i>Prerequisite: Special fee.</i>		

SPAN 103		
SPANISH III		3.0
A continuation of Spanish II to strengthen the language skills of understanding, speaking, reading and writing of the language. Meets the General Education Requirement - Foreign Language.		
<i>Prerequisite: Special fee.</i>		

SPAN 104		
SPANISH IV		3.0
A continuation of Spanish III to strengthen the skills of understanding, speaking, reading and writing of the language. Meets the General Education Requirement - Foreign Language.		
<i>Prerequisite: Special fee.</i>		

SPAN 134		
ESSENTIALS OF SPANISH FOR NATIVE SPEAKERS		3.0
An intermediate level course to improve reading and writing skills of Spanish native speakers. Taught in Spanish.		
<i>Prerequisite: Special fee.</i>		

- SPAN 135**
SPANISH FOR NATIVE SPEAKERS 3.0
 This course provides students who are native speakers with a program which enables them to perfect their command of both written and spoken Spanish beyond the Intermediate II level. The course is unique in that it places equal stress upon speaking, reading and writing in order to enable the student to function effectively with Spanish speaking people in the student's chosen profession. Emphasis is placed upon the more practical aspects of language learning. Meets the General Education Requirement - Foreign Language. Taught in Spanish.
Prerequisite: SPAN 104 or 134. Special fee.
- SPAN 236**
INTERMEDIATE SPANISH CONVERSATION 3.0
 An intermediate level course for non-majors to improve spoken Spanish and acquire knowledge of Hispanic culture. Taught in Spanish.
- SPAN 241**
FUNDAMENTALS OF SPANISH GRAMMAR 3.0
 This course is designed to give students an active command of the language by means of oral and written exercises, accompanied by a thorough review of the grammar, vocabulary, and idioms. Taught in Spanish.
- SPAN 242**
SPANISH COMPOSITION AND STYLISTICS 3.0
 This course is designed to improve the student's mastery of the language through written and oral exercises accompanied by a review of advanced grammar. Taught in Spanish.
- SPAN 306**
BUSINESS COMMUNICATION AND NEGOTIATION IN SPANISH 3.0
 Intermediate Spanish IV with intensive practice in the parlance of Spanish and Spanish American business. Communication and negotiation skills will be stressed. Cross listed with Marketing, MKTG 306. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 343**
INTRODUCTION TO SPANISH PHONETICS 3.0
 Spanish phonetics and phonemics: theory and practice; comparative analysis of Spanish and English phonology. The language laboratory is used extensively. Required for certification. Taught in Spanish.
Prerequisite: SPAN 241. Special fee.
- SPAN 344**
SPANISH CONVERSATION 3.0
 Practice in spoken Spanish through assigned topics and participation in discussions about daily life and world events; gives a competence in Spanish as an instrument of oral expression. Classes limited to 16 students. Required for certification. Native speakers of Spanish must substitute another elective. Taught in Spanish.
Prerequisite: SPAN 241.
- SPAN 347**
COMMERCIAL SPANISH 3.0
 For students interested in the business field: styles of letter writing, business vocabulary, legal terminology. Emphasis on written fluency and expression. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 349**
INTRODUCTION TO HISPANIC LITERARY STUDIES 3.0
 The course proposes to identify the characteristics of various literary genres and define the inner workings of a piece of literary text. Selections from Spanish and Latin American novels, short stories, poems, dramas and essays will be studied to enable the student to define the uniqueness of each genre. The role of the author, narrative point of view, figurative language, literary structure, and irony will be examined together with the influence of culture, ethnicity, and gender on the creative process. Taught in Spanish.
- SPAN 350**
TRANSLATING I 3.0
 Introduction to the techniques of translating Spanish/English and English/Spanish. Students translate actual documents and texts from a wide variety of fields in order to gain experience in methods of analysis, research and verification. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 351**
TRANSLATING II 3.0
 A continuation of Translating I. Materials chosen for translation reflect the career interests of the students in the class. Emphasis on professional ethics and the rudiments of translation theory. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 361**
MASTERPIECES OF SPANISH LITERATURE I 3.0
 The course is designed to introduce the students to Spain's literary history through an analysis of its major works, movements, and cultural trends from the Medieval period to the 18th Century. Required for majors. Taught in Spanish. Meets the General Education Requirement - Foreign Language.
Prerequisite: SPAN 241.
- SPAN 362**
MASTERPIECES OF SPANISH LITERATURE II 3.0
 The course is designed to introduce the student to Spain's literary history through an analysis of its major works, movements, and cultural trends from the 18th century to the present. Required for majors. Taught in Spanish. Meets the General Education Requirement - Foreign Language.
Prerequisite: SPAN 241.
- SPAN 363**
MASTERPIECES OF SPANISH AMERICAN LITERATURE I 3.0
 The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from pre-Columbian times to the latter part of the nineteenth century. Required for majors. Taught in Spanish. Meets the General Education Requirement - Foreign Language.
Prerequisite: SPAN 241.
- SPAN 364**
MASTERPIECES IN SPANISH AMERICAN LITERATURE II 3.0
 The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from the beginning of Modernism to the Contemporary Period. Required for majors. Taught in Spanish. Meets the General Education Requirement - Foreign Language.
Prerequisite: SPAN 241.
- SPAN 374**
SPANISH CULTURAL HISTORY 3.0
 The political, social, philosophical, literary and artistic ideas and institutions of Spain. Taught in Spanish. Meets the General Education Requirement - Foreign Language.
Corequisite: SPAN 241.
- SPAN 375**
STUDY ABROAD 3.0
 Study at a university in a Spanish-speaking country to gain firsthand knowledge of the historical, social, economic and cultural life of the country. Credit by evaluation.
Prerequisite: Department approval.
- SPAN 376**
SPANISH AMERICAN CULTURAL HISTORY 3.0
 Development of the politics, art and philosophy of the Spanish-speaking nations of the Western hemisphere. Taught in Spanish. Meets the General Education Requirement - Foreign Language. Meets the Multicultural Awareness Requirement.
Corequisite: SPAN 241.
- SPAN 385**
COOPERATIVE EDUCATION 4.0-8.0
 This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.
- SPAN 410**
ADVANCED SPANISH GRAMMAR 3.0
 This course is a review of the most important structural features of Spanish, with special emphasis in those areas of interference with English structure which present the greatest difficulties to the student of Spanish. Required for certification. Taught in Spanish.
Prerequisite: SPAN 242.

- SPAN 419**
THE TEACHING OF SPANISH IN SECONDARY SCHOOLS 3.0
 This course is focused on such topics as values and aims in foreign language teaching, survey of methods, pronunciation, reading, grammar, reviews, realia, examinations, supervised study, etc. The course consists of readings and discussions, lesson planning and demonstrations, and organization of material for student teaching. Required for certification. Taught in English.
Prerequisite: SPAN 242.
- SPAN 422**
PRACTICUM IN TRANSLATING 3.0
 This course is designed to provide students with the practical experience of translating in semi-professional situations under faculty supervision. Taught in Spanish.
- SPAN 441**
SPANISH NOVEL OF THE 20TH CENTURY 3.0
 The modern novel in Spain beginning with the "Generacion Del '98." Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 442**
SPANISH POETRY AND DRAMA OF THE 19TH CENTURY 3.0
 A critical study of the main works of this century beginning with Duque de Rivas and Espronceda through Echegaray and Galdos. Taught in Spanish.
Prerequisites: SPAN 361 or 362. Special fee.
- SPAN 443**
SPANISH PROSE OF THE 19TH CENTURY 3.0
 The main works in Romanticism, Realism and Naturalism in 19th century Spain. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 444**
SPANISH THEATRE OF THE TWENTIETH CENTURY 3.0
 Principal trends of the Spanish theater from Benavente to the contemporary dramatists. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 446**
SPANISH AMERICAN ESSAYISTS 3.0
 The role of the essay in Spanish American life and culture. Studies of selected modern essayists. Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 447**
CONTEMPORARY SPANISH AMERICAN SHORT STORY 3.0
 Trends in the contemporary short story; the short story as an important genre in Spanish American letters. Taught in Spanish.
Prerequisites or corequisites: SPAN 363, 364 or equivalent.
- SPAN 448**
CONTEMPORARY SPANISH AMERICAN POETRY 3.0
 A study of contemporary Spanish American poetry from its roots in modernism to the present day. Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 449**
THE SPANISH AMERICAN NOVEL 3.0
 Development of the Spanish American novel up to 1945. Taught in Spanish.
Prerequisite or corequisite: SPAN 363 or 364.
- SPAN 450**
INTRODUCTION TO INTERPRETING 3.0
 This course is designed to teach the student the specialized techniques of oral interpreting and to prepare them for a career in the field. Visits to observe professional interpreters at work will be arranged. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 452**
TRANSLATING III 3.0
 Under careful supervision, the student will prepare a translation project, usually consisting of the translation of a text of approximately 50 typewritten pages. Taught in Spanish.
Prerequisites: SPAN 350. Special fee.
- SPAN 460**
EL QUIJOTE 3.0
 The literary and social background, structure, themes and style of El Quijote as a masterpiece. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 466**
CONTEMPORARY SPANISH AMERICAN THEATER 3.0
 The principal movements of the theater in Spanish America in the 20th century. Taught in Spanish.
Prerequisites: SPAN 363 or 364.
- SPAN 469**
THE DRAMA OF THE GOLDEN AGE 3.0
 Representative dramatists of the Siglo de Oro: Lope de Vega, Tirso de Molina, Ruiz de Alarcón and Calderón de La Barca. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 470**
SENIOR SEMINAR 3.0
 Selected topics from Spanish and Spanish American literature acquaint the student with the techniques of literary research. Taught in Spanish.
Prerequisites: Senior Spanish majors only.
- SPAN 471**
CONTEMPORARY TRENDS IN THE SPANISH AMERICAN NOVEL 3.0
 The contemporary novel in Spanish America, with emphasis on the "Nueva Novela." Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 472**
PUERTO RICAN LITERATURE AND THOUGHT 3.0
 Insight into the literature and philosophy of the Caribbean Hispanic world; contemporary Puerto Rican writers and the emergent Puerto Rican influence in the United States metropolitan areas. Taught in Spanish. Meets the Multicultural Awareness Requirement.
- SPAN 480**
INDEPENDENT STUDY 3.0
 Directed independent study and research in Spanish. Open to students with a 3.00 cumulative average in at least 9 semester hours of Spanish electives.
Prerequisites: Departmental approval.
- SPAN 481**
FIELD WORK IN HISPANIC COMMUNITY I 3.0
 Required course in the academic minor in Hispanic community affairs. Student will devote 100 hours work in the area in which he chooses to concentrate: child care centers, mental health clinics, recreation activities, social agencies, etc., under the supervision of the MSU Passaic Center. In addition, the student must carry out an independent project by which he will demonstrate his ability to communicate with and engage the Hispanic community. Not for major credit.
Prerequisites: Departmental approval.
- SPIN 161**
MAGIC REALISM IN SPANISH AMERICAN LITERATURE 3.0
 A study of magic realism as manifested in representative works of contemporary Spanish American fiction. Works to be read in English translation. Taught in English. Not for major credit. Meets the Multicultural Awareness Requirement
- ITAL 101**
ITALIAN I 3.0
 For students with no previous knowledge of Italian. This course imparts the basic foundations in the language. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.
- ITAL 102**
ITALIAN II 3.0
 Training in understanding, speaking, reading and writing the language. A continuation of Italian I. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.

- ITAL 103
ITALIAN III 3.0
A continuation of Italian II to strengthen the four language skills. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.
- ITAL 104
ITALIAN IV 3.0
A continuation of Italian III to strengthen the basic language skills through reading and composition. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.
- ITAL 242
ITALIAN GRAMMAR AND COMPOSITION I 3.0
Gives students better control of the structure of the language through written and oral practice. Required for majors. Taught in Italian.
- ITAL 243
GRAMMAR AND COMPOSITION II 3.0
Mastery of the language through written and oral exercises; review of advanced grammar. Required for majors. Taught in Italian.
- ITAL 275
ITALIANS AND ITALIAN AMERICANS:
COMPARATIVE STUDIES 3.0
This course shows the relationship between the Italian and Italian American experiences. It deals with aspects of religion, politics, language, work and moral codes. Comparisons are made with the experiences of other ethnic groups in America. The course is taught with an interdisciplinary approach. Taught in English. Cross listed with Classics and General Humanities, GNHU 176; Educational Foundations, EDFD 275.
- ITAL 276
THE ITALIAN CINEMA 3.0
Development of the Italian cinema from Neo-Realism to today, in particular dealing with the following directors: Rossellini, Fellini, Desica, Zavattini, Bertolucci, Pasolini, Antonioni, Germi and Wertmueller. Taught in English. Cross listed with Classics and General Humanities, GNHU 277.
- ITAL 281
CONTEMPORARY ITALIAN CULTURAL STUDIES 3.0
Introduction to and critical assessment of social, political, historical, economic, and religious aspects of Italian life by questioning them with a broad range of subtopics such as immigration/racism, identity, popular culture and others in search of a broader understanding of Italian culture. Comparisons drawn between Italian and American cultures. Taught in English. Meets the General Education Requirement - Contemporary Issues.
- ITAL 309
ITALIAN CONVERSATION 3.0
Practice in spoken Italian through assigned topics and discussions about daily life and world events. An opportunity to acquire an adequate vocabulary and competence in Italian as an instrument of oral expression. Taught in Italian.
- ITAL 321
COMMERCIAL ITALIAN 3.0
This course has been prepared for students majoring or minoring in Italian, or who can demonstrate appropriate linguistic ability in Italian, who wish to study the vocabulary, protocol and styles of correspondence, and documents common to the Italian-speaking business world. Taught in Italian.
Prerequisite: Special fee.
- ITAL 340
STUDIES IN ITALIAN LITERATURE:
ORIGINS TO 18TH CENTURY 3.0
Representative works from the "Scuola Siciliana" to the 18th century analyzed and discussed. Required for majors. Taught in Italian. Meets the General Education Requirement - Foreign Language.
- ITAL 341
STUDIES IN ITALIAN LITERATURE:
18TH THROUGH 20TH CENTURY 3.0
Representative works of the 18th through 20th centuries analyzed and discussed to train students in the analysis of literary works. Required for majors. Taught in Italian. Meets the General Education Requirement - Foreign Language.
Prerequisite: ITAL 104.
- ITAL 350
TRANSLATING 3.0
The course will cover general theoretical and philosophical problems of translation and specific problems encountered in the actual translation of different types of texts ranging from literary works to daily communications. Taught in Italian.
Prerequisite: ITAL 242. Special fee.
- ITAL 351
ITALIAN LITERATURE OF THE 20TH CENTURY I 3.0
Particular attention to the contemporary period. Pirandello, Saba, Ungaretti, Montale and Quasimodo. Taught in Italian.
Prerequisite: ITAL or 340 or 341.
- ITAL 352
ITALIAN LITERATURE OF THE 20TH CENTURY II 3.0
Particular attention to the contemporary period. Pavese, Moravia, Silone, Vittorini and others. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 360
ITALIAN CULTURAL HISTORY 3.0
This course is designed to acquaint the students with the complex and rich texture of Italian civilization from its beginnings to the present. The development of Italian arts, music and theater as well as major social and political institutions, religion, etc. will be considered against the background of Italian history. Required for majors. Taught in Italian. Meets the General Education Requirement - Foreign Language.
- ITAL 361
ITALIAN LITERATURE OF THE 19TH CENTURY I 3.0
Neo-classicism, Romanticism, and Verismo. Foscolo, Manzoni and Leopardi. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 362
ITALIAN LITERATURE OF THE 19TH CENTURY II 3.0
Neo-classicism, Romanticism, and Verismo. Carducci, Pascoli, Verga and D'Annunzio. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 375
ITALIAN STUDY ABROAD 3.0
Study at an Italian university to gain first hand knowledge of the historical, social, economic and cultural life of Italy. Credit by evaluation.
Prerequisite: Department approval.
- ITAL 377
ITALIAN LITERATURE OF THE 18TH CENTURY 3.0
Representative works of the most important writers of this century: Goldoni, Parini, Alfieri, and others will be read and analyzed.
Prerequisite: ITAL 340 or 341.
- ITAL 385
COOPERATIVE EDUCATION 4.0-8.0
This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.
- ITAL 410
ITALIAN GRAMMAR FOR TEACHERS 3.0
A review of the most important structural features of Italian with special emphasis on those areas of interference with English which present the greatest difficulties for the student of Italian. Open to all Italian majors. Taught in Italian.
Prerequisite: ITAL 243.

ITAL 419
THE TEACHING OF ITALIAN IN SECONDARY SCHOOLS 3.0
Aims, objectives, and methods of teaching Italian in secondary schools; textbooks, supplementary teaching material, the language laboratory, tests, etc. Taught in English.
Prerequisites: ITAL 340 and 341.

ITAL 441
ITALIAN LITERATURE OF THE RENAISSANCE I 3.0
The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Emphasis on select works of Petrarch and Boccaccio. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 442
ITALIAN LITERATURE OF THE RENAISSANCE II 3.0
The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Selected readings from Lorenzo De Medici, Poliziano, Pulci, Boiardo, Ariosto, Tasso, Machiavelli and others. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 461
DANTE SEMINAR I 3.0
Medieval thought as represented in Dante's works. A selection of readings from Vita Nova, Convivio, Monarchia, analysis and exegesis of Inferno. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 462
DANTE SEMINAR II 3.0
Medieval thought as represented in Dante's works. A selection of readings from Vita Nova, De Vulgari Eloquentia, Convivum, and Divina Commedia read and analyzed. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 469
ITALIAN LITERATURE OF THE 13TH AND 14TH CENTURIES 3.0
The most important representatives of the Sicilian and Tuscan schools, with particular attention to the Dolce Stil Novo and the works of Dante. Taught in Italian.
Prerequisite: ITAL 340.

ITAL 470
SENIOR SEMINAR 3.0
The techniques of literary research based on selected topics from Italian literature. Taught in Italian.
Prerequisite: Senior Italian majors only.

ITAL 480
INDEPENDENT STUDY 3.0
Directed independent study and research in Italian. Open to students with a minimum of 3.0 cumulative average in at least 9 hours of Italian electives.
Prerequisite: Departmental approval.

PORT 101
PORTUGUESE I 3.0
For students with no previous study of Portuguese. Training students to understand, speak, read and write the language. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.

PORT 102
PORTUGUESE II 3.0
A continuation of Portuguese I, furthering the training in the understanding, speaking, reading and writing of the language. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.

PORT 103
PORTUGUESE III 3.0
Strengthening the basic language skills established in Portuguese II through advanced grammar and selected readings. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.

PORT 104
PORTUGUESE IV 3.0
A continuation of Portuguese III, to strengthen basic language skills through advanced grammar and selected readings. Meets the General Education Requirement - Foreign Language.
Prerequisite: Special fee.

SPEECH COMMUNICATION

SCHOOL OF THE ARTS

Chairperson: Anne Jenkins

The Department of Speech Communication offers a generalist degree with specializations in research and writing, oral presentation and visual communication through effective information processing. The department prides itself on the exceptional quality of its faculty, the success of its graduates, and the extensive range of its academic-professional curricula. Speech Communication, a major featuring both liberal arts and professional training, afford students an abundance of opportunities to participate in meaningful learning experiences. Responsibilities increase as their training proceeds and prepares students for a multitude of careers.

Special features of the Speech Communication academic program include specialized internships, Dannis B. Eaton Public Speaking Competition and the National Communication Honor Society of Lambda Pi Eta. The Department of Speech Communication is an accredited institutional member of the National Communication Association. The Bachelor of Arts degree from the Department of Speech Communication requires a successful interview for admission into the major or minor. The dates and requirements for department admission and interviews may be obtained by calling the Department of Speech Communication at (973) 655-7471.

Speech Communication Major—B.A.

Required Courses

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 230 Listening	3
SPCM 234 Public Speaking	3
SPCM 250 Intercultural Communication I	3
SPCM 271 Interpersonal Communication I	3
SPCM 374 Group Processes	3
SPCM 375 Nonverbal Communication	3
SPCM 438 Principles of Persuasion	3
SPCM 478 Applied Communication	3

Major Electives

Select 9 semester hours from the appropriate list to be obtained from the department.

Free Electives 34

Teacher Certification

Students wishing to achieve teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

In addition, the following requirements are part of the Department of Speech Communication teacher certification program.

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 234 Public Speaking	3
SPCM 260 Oral Interpretation of Literature	3
SPCM 271 Interpersonal Communication I	3
SPCM 302 Practicum in Speech Improvement	3
SPCM 374 Group Processes	3
SPCM 407 Methods of Teaching Speech and Theatre	4
SPCM 441 Group Discussion	3
THTR 100 Introduction to Theatrical Medium	3
THTR 105 Acting I - Non B.F.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	4
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 330 Play Direction I	3

Free Electives 11

Communication Studies Minor

Students who wish to pursue a minor program in the Department of Speech Communication and have this accomplishment listed on the transcript must proceed as follows:

1. Submit an application, which may be obtained from the Department office, to the chairperson requesting status as a Minor Program student in the Department of Speech Communication.
2. Schedule and complete an interview for acceptance into the Minor Program for Communication Studies.
3. The minimum standard for admission to the program is grade point average of 2.75.
4. Complete the Minor Program sequence.
5. During the senior year, request certification from the Registrar of official records for the completion of minor program of study.

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 234 Public Speaking	3
SPCM 271 Interpersonal Communication I	3
SPCM 374 Group Processes	3
SPCM 438 Principles of Persuasion	3
OR	
SPCM 375 Nonverbal Communication	3

Courses of Instruction

SPCM 101
FUNDAMENTALS OF SPEECH:
COMMUNICATION REQUIREMENT 3.0
Practical opportunities in a variety of speaking situations. Emphasis on clear organization of thought, development of poise and confidence, and effective communication. Distracting elements in voice or articulation considered, with additional work as needed in the speech lab. Meets the General Education Requirement - Communication, Speaking/Listening.

SPCM 103
VOICE AND SPEECH IMPROVEMENT 3.0
Theory and practice in the improvement of individual voice and speech patterns and elimination of faults.
Prerequisite: B.A. Speech Communication majors only.

SPCM 172
PRINCIPLES OF HUMAN COMMUNICATION 3.0
A survey of the process of human communication on all levels of interaction from interpersonal to mass communication. Introduction to and an awareness of the key principles operating during the process of communication.

SPCM 230
LISTENING 3.0
The development of critical, discriminative, appreciative, and empathic listening skills; emphasis will be on listening theory/concept exploration, listening skill building, and experiential learning through theory application.
Prerequisite: B.A. Speech Communication majors only.

SPCM 234
PUBLIC SPEAKING 3.0
Preparing and delivering effective, informative, and persuasive speeches; emphasis on outlining, verbal clarity, and effective oral communication in public presentations.
Prerequisite: B.A. Speech Communication majors only.

SPCM 250
INTERCULTURAL COMMUNICATION 3.0
Survey of cultural approaches to communication, including theory and methodology. Will examine the underlying principles and concepts of communication within individuals and across cultures to better understand effective human communication.
Prerequisite: B.A. Speech Communication majors only.

- SPCM 260**
ORAL INTERPRETATION OF LITERATURE 3.0
 Classroom performances of oral interpretation of various forms of literature followed by informal critiques and the development of a repertoire. Meets the General Education Requirement - Electives, Creative Expression.
Prerequisite: B.A. Speech Communications majors only.
- SPCM 271**
INTERPERSONAL COMMUNICATION I 3.0
 Basic theory of interpersonal communication and its practical applications in friendships and intimate relationships; personal communication patterns as they affect self-perception of others; emphasis will be on the effect this process has on our interactions with others; strategies will be offered as a means of change, growth and potential in effective interpersonal communication.
Prerequisite: B.A. Speech Communication majors only.
- SPCM 272**
INTERPERSONAL COMMUNICATION II 3.0
 Current literature in the field of interpersonal communication and the relationship of the theory to communication effectiveness. Study of conflict management and interpersonal communication competence.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.
- SPCM 290**
COMMUNICATION BETWEEN THE SEXES 3.0
 An examination of male and female communication in various contexts with emphasis on: (1) the relationship between sex, gender and language; (2) sex-role and gender-role stereotypes; (3) effective communication strategies for communication between the sexes.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 334**
TELEVISION PRODUCTION IN COMMUNICATION STUDIES 3.0
 Hands-on experience in MSU's television studio with focus on production elements including camera operation, directing and creativity through production of commercials, talk shows and variety shows.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 342**
ARGUMENTATION AND DEBATE 3.0
 Principles of argumentation; characteristics of propositions, definitions of terms, logical organization, evidence, research and oral reason, structure of debates; practice in argumentation and debate of current significant issues.
Prerequisites: SPCM 172 and 234; B.A. Speech Communication majors only.
- SPCM 361**
ORGANIZATIONAL COMMUNICATION 3.0
 An experiential study of the role of communication in business and the application of theories of communication in our understanding of organizations. An organizational simulation provides the experience from which students can apply communication theories.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 374**
GROUP PROCESSES 3.0
 Effective communication patterns for small groups; variable such as cohesiveness, roles, problem-solving, leadership, decision-making as related to the development and maintenance of productive interaction.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.
- SPCM 375**
NONVERBAL COMMUNICATION 3.0
 Introduces nonverbal communication theory to promote a better awareness of its dynamics and influence in the communication process; an awareness of how we reveal and define ourselves; a development of skills for encoding and decoding nonverbal messages; creating slide shows.
Prerequisites: SPCM 172; junior status B.A. Speech Communication majors only.
- SPCM 388**
SEMINAR IN PUBLIC RELATIONS 3.0
 Provide background theory and practical experience in public relations. Writing forms and styles, project planning, and campaign strategy as are emphasized.
Prerequisites: SPCM 172 and SPCM 271; B.A. Speech Communication majors only.
- SPCM 403**
INDEPENDENT STUDY 1.0-3.0
 The proposals must be submitted for departmental approval prior to registration for the course.
Prerequisites: Department approval; B.A. Speech Communication majors only.
- SPCM 407**
METHODS OF TEACHING SPEECH AND THEATRE 4.0
 Speech education at each grade level: approaches, problems, materials, textbooks, and techniques; trends in instruction integration of speech with other fields.
Prerequisites: Departmental approval; B.A. Speech Communication majors only.
- SPCM 413**
VISUAL COMMUNICATION 1.0-3.0
 A variable credit course for students to experience the area of visual communication through computer desktop publishing. Students will be responsible for designing, editing, and producing various printed material. May be repeated for a maximum of three credits as major electives. May be repeated for a maximum of six credits for free electives.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 435**
COMMUNICATION ARTS ACTIVITY 1.0-3.0
 Credit is given for supervised speech arts activity. Consent of department chairperson required. Various topics offered periodically. Credit by arrangement.
Prerequisite: Departmental approval; B.A. Speech Communication majors only.
- SPCM 438**
PRINCIPLES OF PERSUASION 3.0
 Theory and application of persuasive principles in various fields of society with focus on communication strategies for awareness, understanding, evaluation, and change of social forces in media, education, government, business, religion, politics, relationships, and industry. Learn to become a critical receiver.
Prerequisites: SPCM 172 and 234; senior level; B.A. Speech Communication majors only.
- SPCM 460**
SEMINAR IN COMMUNICATION RESEARCH 3.0
 An investigation of social science research techniques and procedures focused on the speech communication discipline. Research paper is the end project.
Prerequisites: SPCM 172; junior level; B.A. Speech Communication majors only.
- SPCM 478**
APPLIED COMMUNICATION 3.0
 Identification of practical applications and implications for the theories of human communication are explored with specific focus on communication careers through interviewing techniques, resumes, and career panels with communication professionals. A practical approach allows a synthesis of learned communication theory and applied communication practice.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.
- SPCM 490**
INTERNSHIP: COMMUNICATION STUDIES 4.0-16.0
 Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in active, successful communication activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisites: Departmental approval; B.A. Speech Communication majors only.
- SPCM 499**
HONORS: SENIOR SEMINAR 3.0
 Students pursue independent projects related to their major academic and professional interests, and meet for tutorial sessions on selected topics. Seminar culminates in a major project related to research, performance, production, or pedagogy.
Prerequisites: Departmental approval; B.A. Speech Communication majors only.

THEATRE AND DANCE

SCHOOL OF THE ARTS

Chairperson: Eric Diamond

The Department of Theatre and Dance prides itself on its academic and professional curricula, the exceptional quality of its faculty and the success of its graduates. Because its programs feature both liberal arts and professional training—the cultural legacy which influences all worthwhile quality education—student majors are afforded ample opportunities to participate in meaningful learning experiences and are given increasing responsibility as their training proceeds.

The Bachelor of Arts (B.A.) degree in Theatre Studies, is designed for those interested in the broad based, academic approach to liberal arts education. It requires a successful interview for admission to the program.

The Bachelor of Fine Arts (B.F.A.) degree program has three areas for those interested in pursuing a professional performance or production/design career. It includes a Dance major, a Theatre major with an Acting concentration and a Theatre major with a Production/Design concentration. Each of these areas requires a successful audition or portfolio review for admission to the program.

The Department of Theatre and Dance also requires an audition or interview for those interested in a minor in any of the following programs of study: Dance, Theatre or Musical Theatre. The dates and requirements for department admission and interviews/auditions may be obtained from the Admissions Office or by calling the Department of Theatre and Dance at (973) 655-4217.

Special features of the academic program include internships, performance ensembles, department production, Theatre in the Raw, and Dance Repertory Company. The Department of Theatre and Dance is an accredited institutional member of the National Association of Schools of Theatre (NAST) and National Association of Schools of Dance (NASD). There is also a national honorary fraternity in the Department of Theatre and Dance: Theta Alpha Phi.

Theatre Studies Major—B.A.

Required Courses

	Semester Hours
THTR 100 Introduction to Theatrical Medium*	3
THTR 105 Acting I-Non B.F.A.*	
THTR 110 Acting II - B.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	6
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 330 Play Direction I	3
THTR 361 B.A. Theatre Workshop	3
THTR 410 Senior Project: B.A. Theatre	3
THTR 411 Dramatic Criticism	3

Note: THTR 100 and THTR 105 may be used to fulfill the General Education Requirement.

Theatre Electives 9

To be chosen from the following:

THTR 112 Singing for the Actor I	3
THTR 160 Drawing and Rendering I: Theatre	3
THTR 212 Singing for the Actor II	3
THTR 234 History of Decor	3
THTR 238 Musical Theatre I	3
THTR 245 Drafting I: Theatre	3
THTR 252 Scene Design I	3
THTR 258 Fundamentals of Stage Lighting	3
THTR 278 Stage Make-Up	3
THTR 338 Musical Theatre II	3
THTR 362 Stage Dialects	3
THTR 366 Stage Technique: Combat	3
THTR 391 Playwriting	3
THTR 430 Play Direction II	3
THTR 433 Shakespeare Workshop	3
THTR 490 Internship in Theatre	4-16

Collateral Course Requirements 6

To be chosen from the following:

ENGL 234 American Drama	3
ENGL 254 English Drama: Beginnings to 1642	3
ENGL 263 Art of Drama	3
ENGL 353 Shakespeare: Comedies-Histories	3
GNHU 285 Mythology	3
MUGN100 Introduction to Music	3

Free Electives 22

Dance Major—B.F.A.

Required Courses

	Semester Hours
DNCE 150 Production Elements-Dance	2
DNCE 161 Choreography I	2
DNCE 205 Rhythmic Analysis	3
DNCE 235 Laban Movement Analysis and Bartenieff Fundamentals	3
DNCE 261 Choreography II	2
DNCE 265 Dance Improvisation	2
DNCE 315 Dance History: Primitive to 1850	3
DNCE 316 Dance History: 1850 to Present	3
DNCE 325 Dance Methods	3
DNCE 361 Choreography III	2
*Dance Technique: Modern	24
*Dance Technique: Ballet	24
Dance Practicum or Dance Repertory	4
Dance elective	3
BIOL 240, 241 Mammalian Anatomy and Physiology I, II	3 ea.
*All dance technique classes in Modern and Ballet are by prior placement.	

Free Electives 12

No more than 4 semester hours may be in dance area.

Note: BIOL 240 and 241 may be used to fulfill General Education Requirements.

Students must attain the advanced level in one dance technique and intermediate in the other for at least one (1) semester prior to graduation. Jury exams are required for graduation.

Theatre Major—B.F.A.

Concentrations Within the Program

Students in the B.F.A. programs are subject to semester jury or portfolio review and faculty evaluation to determine if they should be permitted to continue in the pre-professional programs of training.

Acting Concentration

Required Courses

THTR 100 Introduction to Theatrical Medium	3
THTR 115 Acting I - B.F.A.	3
THTR 120, 220 Movement for the Actor I-II	6
THTR 125, 225, 325 Voice for the Performer I-II-III	9
THTR 130 Acting II-B.F.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	8
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 222 Acting III-B.F.A.	3
THTR 223 Acting IV: B.F.A.: Characterization	3
THTR 278 Stage Make-Up	3
THTR 322 Acting V: B.F.A.: Styles	3
THTR 323 Acting VI: Acting for Television	3
THTR 324 Acting VII: Professional Auditions	3
THTR 330, 430 Play Direction I-II	6
THTR 362 Stage Dialects	3
THTR 371 History of Costumes: Primitive-Modern	3

Theatre Electives	6
To be chosen from the following:	
THTR 112 Singing for the Actor I	3
THTR 212 Singing for the Actor II	3
THTR 238 Musical Theatre I	3
THTR 338 Musical Theatre II	3
THTR 366 Stage Technique: Combat	3
THTR 391 Playwriting	3
THTR 433 Shakespeare Workshop	3
THTR 435 Dramatic Workshop	3
THTR 490 Internship in Theatre	4-16

Free Electives	14
-----------------------------	----

Production/Design Concentration

Required Courses

	Semester Hours
THTR 150 Stagecraft	3
THTR 160 Drawing and Rendering I: Theatre	3
THTR 201 Rehearsal and Production I	8
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 234 History of Decor	3
THTR 245 Drafting I: Theatre	3
THTR 246 Drafting II: Theatre	3
THTR 250 Advanced Theatre Technology	3
THTR 252 Scene Design I	3
THTR 258 Fundamentals of Stage Lighting	3
THTR 330 Play Direction I	3
THTR 350 Technical Direction	3
THTR 371 History of Costumes: Primitive-Modern	3
THTR 440 Senior Project: Production/Design	3
THTR 458 Advanced Lighting	3

Theatre Electives	20
--------------------------------	----

To be chosen from the following:

THTR 260 Drawing and Rendering II: Theatre	3
THTR 278 Stage Makeup	3
THTR 345 Scene Design II	3
THTR 352 Scene Painting	3
THTR 354 Repair and Maintenance of Theatrical Equipment	3
THTR 370 Costume Construction I	3
THTR 372 Costume Design I	3
THTR 403 Independent Study	1-3
THTR 450 Theatrical Sound	3
THTR 490 Internship in Theatre	4-16
PHYS 443 Computer Aided Drafting	3

Free Electives	12
-----------------------------	----

Minor Programs

Students wishing to pursue a minor in any academic program in the Department of Theatre and Dance and have it listed on their transcript must proceed as follows:

1. Schedule and complete an interview/audition for acceptance into the minor program desired.
2. Complete the Minor Program sequence.
3. Request the Registrar, during the senior year of study, to certify on official Montclair State records the completion of a minor program of study.

Dance Minor

Required Courses

	Semester Hours
DNCE 316 Dance History: 1850 to Present	
OR	
DNCE 105 Dance Appreciation	3
DNCE 141, 142, 341, 343 Dance Technique: Modern I, II, III, IV*	6
DNCE 351, 352, 353, 357 Dance Technique: Ballet I, II, III, IV*	6

Dance Elective(s) to be selected from: 6-8

DNCE 141, 142, 341, 343 Dance Technique: Modern I, II, III, IV*	3
DNCE 351, 352, 353, 357 Dance Technique: Ballet I, II, III, IV*	3
DNCE 150 Production Elements-Dance	2
DNCE 161 Choreography I	2
DNCE 265 Dance Improvisation	2
DNCE 315 Dance History: Primitive to 1850	3
DNCE 280 Dance Practicum	

OR

DNCE 485 Repertory	1
DNCE 435 Dance Arts Activity	1-3

Total semester hours 21-23

*Placement level to be determined by audition.

Musical Theatre Minor

Required Courses

	Semester Hours
THTR 112 Singing for the Actor I	3
THTR 212 Singing for the Actor II	3
THTR 105 Acting I - Non B.F.A.	
OR	
THTR 115 Acting I - B.F.A.	3
THTR 201 Rehearsal and Production I	1
THTR 238 Musical Theatre I	3
THTR 338 Musical Theatre II	3
One dance elective from the following:	
THTR 120 Movement for the Actor I	3
DNCE 141 Dance Technique: Modern I	3
DNCE 351 Dance Technique: Ballet I	3
One theatre elective to be selected from:	
THTR 100 Introduction to Theatrical Medium	3
THTR 150 Stagecraft	3
THTR 110 Acting II - B.A.	
OR	
THTR 130 Acting II-B.F.A.	3

Theatre Minor

Required Courses

	Semester Hours
THTR 100 Introduction to Theatrical Medium	3
THTR 105 Acting I - Non B.F.A.	3
THTR 201 Rehearsal and Production I	1
THTR 210 Theatre History: Classical to Elizabethan	
OR	
THTR 211 Theatre History: Restoration to Modern	3
Theatre Electives to be selected from the following:	9
THTR 110 Acting II	3
THTR 150 Stagecraft	3
THTR 201 Rehearsal and Production	1-3
THTR 210 Theatre History I	3
THTR 211 Theatre History II	3
THTR 330 Play Direction I	3

Courses of Instruction

DNCE 105

DANCE APPRECIATION

3.0

Course is designed to inform the student about dance as a performing art form. Focus is on developing a critical framework for viewing various styles of dance performance. The course includes lectures, discussions, selected readings, films, video tapes, and live performances. Some experiential movement sessions. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.

Prerequisites: Non-majors only.

DNCE 141

DANCE TECHNIQUE: MODERN I

3.0

Introduction to modern dance. Techniques and basic elements of modern dance. Designed for non-majors or students with limited or no previous experience. May be repeated for a maximum of twelve credits. Meets the General Education Requirement - Electives, Creative Expression.

DNCE 142

DANCE TECHNIQUE: MODERN II

3.0

Further study and application of basic movement vocabulary, alignment, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits.

Prerequisite: Dance majors or minors only.

DNCE 150

PRODUCTION ELEMENTS-DANCE

2.0

Introduction to technical productions related to dance. Survey of terminology, application of production principles, and aesthetic potential for production.

DNCE 161

CHOREOGRAPHY I

2.0

Elements and methods of dance composition.

Prerequisite: DNCE 265.

DNCE 205

RHYTHMIC ANALYSIS

3.0

All basic rhythmic structures (basic note values, meter, etc.) covered and immediately applied to movement; games, notational assignments, and choreographic studies used to create understanding of the inherent rhythm within all basic dance movement.

Prerequisites: Dance majors only.

DNCE 235

LABAN MOVEMENT ANALYSIS AND BARTENIEFF FUNDAMENTALS

3.0

Introduces principles and practical applications of Laban Movement Analysis and the Bartenieff Fundamentals. Presents LMA as a comprehensive system of analyzing, observing and notating human movement. Bartenieff Fundamentals, a body therapy used to increase body and movement efficiency with greater ease, explores the functional anatomy of body organization and patterning in human movement. Course includes both theory and practical application.

Prerequisite: Dance majors only

DNCE 261

CHOREOGRAPHY II

2.0

Dance choreography with emphasis on small group works and solos, including form and structure.

Prerequisite: DNCE 161.

DNCE 265

DANCE IMPROVISATION

2.0

Basic skills and problems in dance improvisation.

Prerequisite: Dance majors or minors only.

DNCE 280

DANCE PRACTICUM

1.0

Practical work in dance production: dancing, assisting, directing, accompanying, working on technical or house crew. May be repeated for a maximum of eight credits. This course offered as Pass/Fail only.

DNCE 315

DANCE HISTORY: PRIMITIVE TO 1850

3.0

Dance as it has developed from primitive, religious, and ritualistic movement to the establishment of ballet in Russia. Emphasis upon ancient forms, courtly life, and the development of ballet. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.

DNCE 316

DANCE HISTORY: 1850 TO PRESENT

3.0

Study of dance in its historical context, with reference to development of ballet, modern dance, post-modernism, and jazz elements. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.

DNCE 325

DANCE METHODS

3.0

Approaches, problems, resources and techniques for teaching and developing dance programs geared to grades 7-12 and various adult levels. Includes curriculum, unit and lesson planning as well as practical application of methodology.

Prerequisites: Dance majors only.

DNCE 341

DANCE TECHNIQUE: MODERN III

3.0

Further study and application of basic movement vocabulary, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits.

Prerequisite: Dance majors or minors only.

DNCE 343

DANCE TECHNIQUE: MODERN IV

3.0

Continuation of DNCE 341. May be repeated for a maximum of 24 credits.

Prerequisite: Dance majors or minors only.

DNCE 351

DANCE TECHNIQUE: BALLET I

3.0

Study of basic ballet terminology, barre work, center floor exercises. May be repeated for a maximum of 12 credits. Meets the General Education Requirement - electives, Creative Expression.

DNCE 352

DANCE TECHNIQUE: BALLET II

3.0

Further study of beginning ballet with emphasis on structural alignment, barre work and center floor exercises. May be repeated for a maximum of 24 credits.

Prerequisite: Dance majors or minors only.

DNCE 353

DANCE TECHNIQUE: BALLET III

3.0

Advanced technique in ballet with emphasis on individualized placement. Work on musicality, line, dynamics and stylistic refinement. May be repeated for a maximum of 24 credits.

Prerequisites: Dance majors or minors only.

DNCE 357

DANCE TECHNIQUE: BALLET IV

3.0

Advanced ballet technique with emphasis on individualized placement. Continuation of work with intricate, technically difficult sequences. Continuation of emphasis on musicality, line, dynamics, and stylistic refinement. May be repeated for credit.

Prerequisites: Dance majors or minors only.

DNCE 361

CHOREOGRAPHY III

2.0

Exploring and applying performance concepts and techniques used in choreographing for groups of varying sizes.

Prerequisite: DNCE 261.

DNCE 403

INDEPENDENT STUDY

1.0-3.0

Proposals must be submitted for departmental approval prior to registration for the course.

Prerequisite: Departmental approval.

- DNCE 435**
DANCE ARTS ACTIVITY 3.0
The theory and practice of specialized dance activities which are not currently part of the core curriculum in dance. May be repeated for credit when the title changes.
- DNCE 480**
SENIOR PROJECT 3.0
Individual creative or research project under supervision of dance faculty in senior year. By arrangement.
Prerequisite: Dance majors or minors only.
- DNCE 485**
DANCE REPERTORY 1.0-8.0
Dancing, choreographing, or providing technical assistance for the MSU Repertory Company. May be repeated for credit.
Prerequisite: Dance majors or minors only.
- DNCE 490**
INTERNSHIP IN DANCE 4.0-15.0
Upper class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in active, successful dance activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisite: Departmental approval.
- THTR 100**
INTRODUCTION TO THE THEATRICAL MEDIUM 3.0
All forms of theatrical literature and productions including drama, ballet, mime, opera, circus, musical comedy and mass media. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
- THTR 105**
ACTING I - NON B.F.A. 3.0
Basic introduction to acting for the non-major; involving exploration of one's self and experiencing inwardly; deepening the personal involvement and significance of actions; improvisation and exercises for perception, self-awareness and justification. Meets the General Education Requirement - Electives, Creative Expression.
- THTR 110**
ACTING II - B.A. 3.0
Continuation of Acting I including improvisation, scene study, characterization and script analysis.
Prerequisite: THTR 105; B.A. in Theatre Studies majors only.
- THTR 112**
SINGING FOR THE ACTOR I 3.0
This course will develop and train the actors' voice and interpretation of songs through exercises, vocal production technique, in-class vocal assignments, and texts. The student will be expected to learn and prepare several songs over the term and be expected to be able to present them in a professional manner, i.e., with confidence, control and in a manner which best displays the actors' vocal abilities.
Prerequisite: THTR 105 or 115.
- THTR 115**
ACTING I - B.F.A. 3.0
Work on the actor's instrument; use of the senses, involvement with the environment and other actors; concentration, honesty and work with freeing the body, voice and imagination. Improvisation is the primary tool used for developing the actor's instrument and shaping material.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 120**
MOVEMENT FOR THE ACTOR I 3.0
Basic movement for the actor in terms of development of characterization, physicality and projection of mood and attitude.
Prerequisite: B.F.A. in Theatre, Acting concentration majors or Musical Theatre majors only.
- THTR 125**
VOICE FOR THE PERFORMER I 3.0
The voice skills necessary for the actor. Intensive work directed toward classic and modern styles in stage diction.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 130**
ACTING II - B.F.A. 3.0
A continuation of Acting I with more advanced work on the actor's instrument. Improvisation and theatre games used in developing a workshop for public presentation.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 150**
STAGECRAFT 3.0
An introductory course in technical theatre, primarily, scenery construction, lighting technology, and costume construction. A practical experience course that involves stagecraft work in the theatre production shops.
Prerequisites: B.A. in Theatre Studies, or B.F.A. in Theatre, Acting concentration, or B.F.A. in Theatre, Production/Design concentration, or B.F.A. Dance majors, or Theatre minor students only.
- THTR 160**
DRAWING AND RENDERING I: THEATRE 3.0
A drawing course aimed at developing skills necessary for rendering techniques for stage designs. Perspective drawing, the use of light shadow, composition, landscape and the techniques in different media (such as pencil, charcoal, pastel, ink, tempera), basic watercolor technique, color theory, and architectural sketching are included.
Prerequisite: THTR 150.
- THTR 201**
REHEARSAL AND PRODUCTION I 1.0
On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 202**
REHEARSAL AND PRODUCTION II 1.0
On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 203**
REHEARSAL AND PRODUCTION III 1.0
On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 208**
PLAY SCRIPT INTERPRETATION 3.0
An evaluation of the playscript in terms of the literary, technical, and production elements essential to mounting it for performance. A consideration of both the fictional and the functional elements of playscripts.
- THTR 210**
THEATRE HISTORY: CLASSICAL TO ELIZABETHAN 3.0
The development of the theatre from the classical Greek through the Elizabethan period. Attention to plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations; oral reports, lectures and demonstrations.
- THTR 211**
THEATRE HISTORY: RESTORATION TO MODERN 3.0
The development of the theatre from the Restoration through the Modern period. Attention on plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations of the period; oral reports, lectures and demonstrations.
- THTR 212**
SINGING FOR THE ACTOR II 3.0
This course will continue the work of *Singing for the Actor I* to train the actors' voice through exercises and vocal production technique designed to provide flexibility and freedom to the singer; to learn to "protect" the voice from harm while maximizing its strengths and potential.
Prerequisites: THTR 112.

- THTR 220**
MOVEMENT FOR THE ACTOR II 3.0
 Advanced movement for the actor in terms of the relationship of movement to characterization and the need to cultivate physical and emotional relationships in body movement.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 222**
ACTING III - B.F.A. 3.0
 Introduction to the creation and use of psycho-physical action (method of physical actions) to generate physical and emotional involvement; development of work with objectives, obstacles and actions and use of the body's musculature to involve the actor and project character in both nonverbal and scripted scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 223**
ACTING IV - B.F.A.: CHARACTERIZATION 3.0
 A continuation of Acting III and work with psycho-physical action; further development of objectives, obstacles, and actions and work with the body's musculature. More advanced character study through scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 225**
VOICE FOR THE PERFORMER-II 3.0
 Intermediate study in the voice skills necessary for performance in a professional setting. Advanced work in voice production and vocal characterization directed toward performance styles and stage presentation.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 234**
HISTORY OF DECOR 3.0
 The major architectural and decorative periods of the world and their influences and role in the theatre as applied to the designer, from Ancient to Post-Modern.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 238**
MUSICAL THEATRE I 3.0
 Production styles, techniques and dramatic conventions used in the musical theatre in relation to direction, music, dance, and design.
Prerequisites: THTR 105 or 115.
- THTR 245**
DRAFTING I: THEATRE 3.0
 Techniques in theatrical drafting that explore the mechanics of drafting through the solution of practical problems in floor planning, front and rear elevations; the use of different building techniques, materials and structures.
Prerequisite: THTR 150.
- THTR 246**
DRAFTING II: THEATRE 3.0
 Advanced study in building, rigging, and stress problems related to theatre design and production. Advanced drafting techniques for theatrical designs.
Prerequisites: THTR 245.
- THTR 250**
ADVANCED THEATRE TECHNOLOGY 3.0
 An advanced course in technical theatre. Examples of topics to be covered are mechanics, stage rigging, advanced construction techniques, pneumatics, hydraulics and electronics. Practical application in department of theatre productions.
Prerequisite: THTR 150.
- THTR 252**
SCENE DESIGN I 3.0
 Interpretation or dramatic texts towards the realization of effective stage designs. Styles and principles will be explored as well as the complete process which translates visual concepts into stage worthy designs. The use of different media: drawing ground plans, paint, front elevations.
Prerequisites: THTR 160.
- THTR 258**
FUNDAMENTALS OF STAGE LIGHTING 3.0
 The functions of light on stage; the use of lighting equipment. Application work in the Memorial Auditorium and Studio Theatre.
Prerequisites: THTR 245.
- THTR 260**
DRAWING AND RENDERING II: THEATRE 3.0
 Advanced drawing and rendering for theatrical stage design. Includes work with color, the human figure and perspective as well as work with ink.
Prerequisite: THTR 160.
- THTR 265**
THE CONTEMPORARY THEATRE OF CULTURAL DIVERSITY 3.0
 The course examines multicultural issues raised in the plays of contemporary American playwrights. Relevant theatre attendance is part of the class requirement. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
- THTR 278**
STAGE MAKE-UP 3.0
 Appreciation of make-up through symbolic aspects and historic differences with regard to theatrical productions. Make-up materials and their uses; creating corrective and character make-up, mustaches and beards for a research or creative experience to compile a practical resource file.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors, or Theatre minors only.
- THTR 280**
THE POWER OF MASKS 3.0
 The function of performance masks as they have been used for rituals, myths, ceremonies, carnival, and drama in African, European, American and Asian/Pacific societies. Meets the Multicultural Awareness Requirement. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
- THTR 320**
MOVEMENT FOR THE ACTOR III 3.0
 Advanced movement for the actor in terms of the relationship of movement to space and form and the need to cultivate physical and emotional relationships in body movement. Advanced exercises and assignments related to movement in playscripts and in theatrical contexts.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 322**
ACTING V - B.F.A.: STYLES 3.0
 Scenes from plays of various periods; studying the manners and mores and theatrical conventions of each selected period in order to create a heightened reality when approaching period scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 323**
ACTING VI: ACTING FOR TELEVISION 3.0
 This course is designed to continue the study and development of the acting technique established in Acting I-V and to train actors to transfer these skills to the medium of television. Students will rehearse scenes taken from a wide range of material and commit them to videotape. They will learn how to make appropriate acting choices when playing in front of the camera and to deal with the problems faced by the actor in most TV/film production situations.
Prerequisite: B.F.A. in Theatre, Acting concentration students only.
- THTR 324**
ACTING VII - B.F.A.: PROFESSIONAL AUDITIONS 3.0
 The business side of acting; auditions, pictures and resumes, agents, and showcases. Students work on finding and preparing appropriate monologues for professional auditions.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 325**
VOICE FOR THE PERFORMER-III 3.0
 Advanced study in the voice skills necessary for performance in a professional setting. Intensive work in voice production and vocal development necessary to develop selected performance styles and techniques.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

- THTR 330**
PLAY DIRECTION I 3.0
Principles of direction; selection and casting; exercises in composition and movement; scenes directed for class criticism; preparation of prompt book.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 338**
MUSICAL THEATRE II 3.0
This course explores the role of the singing actor, including characterization and performance skills. It examines the functions of music, lyrics, and script, and how they are integrated into one dramatic effort. It addresses the differences in styles between older presentational musicals and newer musical dramas.
Prerequisite: THTR 105 or 115.
- THTR 345**
SCENE DESIGN II 3.0
A continuation of *Stage Design I* with emphasis upon specific forms of drama as well as opera and musical comedy. Includes the use of color with ink, acrylic and pastel.
Prerequisite: THTR 252.
- THTR 350**
TECHNICAL DIRECTION 3.0
An in-depth study of technical direction production and direction. Areas of study include production budgeting, planning and scheduling, and production studio design. The course will include laboratory and production experience.
Prerequisite: THTR 150.
- THTR 352**
SCENE PAINTING 3.0
The theory and practice of the general techniques of the scenic artist and the methods and materials used in this discipline.
Prerequisites: THTR 160 and B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 354**
REPAIR AND MAINTENANCE OF THEATRICAL EQUIPMENT 3.0
Practical study in the repair and maintenance of theatre equipment, including machines, lights, and tools.
Prerequisite: THTR 150.
- THTR 361**
B.A. THEATRE WORKSHOP 3.0
This course explores a variety of dramatic material for performance potential. It melds performance and directing with the study of literature and aspects of playwriting to create a dynamic theatrical experience that draws on students' theoretical background as well as performance skills.
Prerequisites: THTR 208 and B.A. in Theatre Studies majors only.
- THTR 362**
STAGE DIALECTS 3.0
Lecture and laboratory demonstration on sound substitutions, rhythms, and inflectional patterns used in creating effective stage dialects. Performance in standard British, Cockney, Irish, Scottish, French, Italian, German, and Spanish dialects.
- THTR 366**
STAGE TECHNIQUE: COMBAT 3.0
Stage use of sword-play, hand-to-hand combat and combat choreography with broadsword, epee, cudgel and staff among others.
Prerequisite: THTR 105 or 115.
- THTR 370**
COSTUME CONSTRUCTION I 3.0
Studies the practical function of the costume shop and the techniques and crafts used in the execution of costumes for the stage. Production work is included with discussions of pattern and fitting techniques.
- THTR 371**
HISTORY OF COSTUMES: PRIMITIVE-RENAISSANCE 3.0
The evolution of costume and the development of tailoring social, economic and political influences on silhouette and ornamentation, from the Primitive to the Modern eras.
- THTR 372**
COSTUME DESIGN I 3.0
A study of basic costume design for the stage, emphasizing the interpretation of dramatic texts in terms of characterization. Basic figure drawing and fabric study are included and the collaborative process which translates ideas to finished design will be explored.
Prerequisite: THTR 371.
- THTR 391**
PLAYWRITING 3.0
The creation of an original script suitable for production. The cause to effect play will be investigated as well as newer trends in theatre. Investigation of marketing possibilities, and the preparation of scripts for submission. Students should have a background in the technique and artistic aspects of the theatre.
Prerequisite: THTR 208, or departmental approval.
- THTR 403**
INDEPENDENT STUDY 1.0-3.0
Proposals must be submitted for departmental approval prior to registration for the course.
Prerequisite: Departmental approval.
- THTR 407**
INTERNSHIP: PRODUCTION/DESIGN 4.0-12.0
Practical experience as a member of a professional, semi-professional or educational theatre on- or off-campus. Work as a technician or as an assistant to the designer or producer.
Prerequisite: Departmental approval.
- THTR 410**
SENIOR PROJECT: B.A. THEATRE 3.0
This course is the capstone for the BA in Theatre Studies. Final projects with a written and practical component will be devised individually by the student and the faculty in the student's area of concentration.
Prerequisite: THTR 411.
- THTR 411**
DRAMATIC CRITICISM 3.0
Dramatic principles of theme, content, and characterization as they relate to production and performance; evaluation and analysis of the basic ingredients of dramatic criticism as related to the critic, the director, the scenic artist and the performer.
Prerequisite: THTR 361.
- THTR 430**
PLAY DIRECTION II 3.0
Advanced play direction with emphasis on the director's analysis of the script and working with performers; participants will direct a scene and a one act play.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 432**
SPECIAL TOPICS IN THEATRE 1.0-3.0
A selected aspect of theatrical theory and/or practice not included in the regular departmental offerings will be explored in depth. May be repeated for a total of six semester hours.
- THTR 433**
SHAKESPEARE WORKSHOP 3.0
Analysis and performance of scenes from Shakespearean histories, comedies, and tragedies.
Prerequisite: THTR 322.
- THTR 435**
DRAMATIC WORKSHOP 3.0
An advanced course combining students as actors or directors engaged in research and performance of classical and contemporary styles of theatre in a "works-in-progress" atmosphere. Material will be drawn from the full spectrum of theatre.
Prerequisite: B.A. in Theatre Studies majors or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.

THTR 440
SENIOR PROJECT: PRODUCTION/DESIGN 3.0
Topics for investigation in the area of production and design.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 450
THEATRICAL SOUND 3.0
Theatrical uses of sound in production approaches to theatre. Primary focus on the role sound plays in enhancing theatrical design and production.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 458
ADVANCED LIGHTING 3.0
Advanced lighting skills in theatre and the related areas of dance, opera and the musical comedy.
Prerequisite: THTR 258.

THTR 490
INTERNSHIP IN THEATRE 4.0-16.0
Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in an active, successful theatre, dance, speech or media center program. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration. Credit by arrangement.
Prerequisite: Departmental approval.

THTR 495
THESIS (SENIOR) 3.0
Senior project in an area of student's primary field of specialization; theatre history, dramatic literature, criticism or performance theory. Requires intensive research project demonstrating the student's ability to apply the theories and principles revealed by his project to performance or production.

Women's Studies Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Director: Linda Gould Levine

The Women's Studies major is an interdisciplinary academic program that provides students with a knowledge of the history and evolution of feminist theory and practice. It imparts to students an understanding of the feminist debates that take place in a multitude of disciplines and the role that these play in broadening and restructuring other disciplines. The program situates Women's Studies within a cross-cultural context and enhances students' awareness of issues affecting women in different cultural, religious, ethnic, economic, and class settings. Women's Studies empowers students to participate in transforming repressive cultural and political practices and to use their knowledge to create a personal and communal agenda aimed at social change.

The Women's Studies major prepares students for postgraduate education in Women's Studies and for careers in fields related to social services, education, psychology, communications and the media, the arts, law, health professions and community action work.

Women's Studies Major

Required Core Courses (12 semester hours)

	Semester Hours
WMST/PSYC 102 Women's Worlds	3
WMST 301 Feminist Theory	3
WMST 302 Selected Topics in Women's Studies	3
WMST 402 Seminar in Women's Studies	3

Electives (21 semester hours)

Students will select 7 courses from among the Women's Studies offerings with no more than 3 courses from any one department. At least 5 of the courses must be at the 200 level or above. Students may choose from among the courses listed under Women's Studies in the Schedule of Courses booklet. Students may repeat the Selected Topics course twice as an elective, in addition to taking it as a requirement.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the major only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Anthropology

ANTH 380 Anthropology of Women 3

Classics and General Humanities

GNHU 383 Women in Antiquity 3

Counseling, Human Development and Educational Leadership

COUN 481 The Legal Rights of Women 3

Economics

ECON 250 Selected Topics in Economics* 3

Educational Foundations

EDFD 264 Sexism in American Education 3

English

ENGL 250 Special Topics in English or American Literature* 3

ENGL 294 Women Poets 3

ENGL 301 The Novels of Toni Morrison 3

ENGL 493 Seminar in American Literature* 3

ENLT 372 Women Prose Writers 3

ENLT 472 Seminar: Images of Muslim Women in
Twentieth Century Literature and Culture 3

ENLT 492 Seminar in Comparative Literature* 3

Fine Arts

ARHS 108 Women in Art 3

French, German, and Russian

GRIN 297 Women in Russian Literature 3

History

HIST 215 Women in American History 3

HIST 309 Feminist Ideas in Western Thought 3

HIST 334 Women in the Muslim World: A History of Representation .. 3

Human Ecology

HECO 205 Women in Contemporary Society 3

Latin American and Latino Studies

LALS 205 Images and Identity: Representation of
Latin American Women in Fiction and Film 3

Legal Studies

LSLW 391 Women and the Law 3

Linguistics

LNGN 255 Language and Gender 3

Music

MUHS 404 Selected Topics in Music History* 3

Philosophy and Religion

RELG 104 Feminist Theology and Spirituality 3

RELG 207 Religious Texts in America: Women 3

RELG 267 Women in Religion 3

Political Science

POLS 214 Women in Politics 3

Psychology

PSYC 265 Psychology of Women 3

Sociology

SOCI 414 Selected Topics in Applied Sociology* 3

SOCI 426 Sociology of Sexuality 3

SOCI 430 Sociology of Gender 3

Women's Studies

WMST 302 Selected Topics in Women's Studies 3

WMST 401 Independent Study 3

Women's Studies Minor

Director: Linda Gould Levine

The Women's Studies Minor program is an interdisciplinary academic program. The minor includes two required three credit core courses: an introductory interdisciplinary course, and a course in feminist theory. Flexibility of choice of the other 12 credits from courses in various academic departments permits a student either to get a broad perspective of women's studies or to specialize in an area such as women in literature or women in society. Each student should consult with the Director of the Women's Studies program to work out a suitable course of studies to meet the minor requirements. The Women's Studies minor consists of 18 credits.

Required Courses (6 semester hours)

	Semester Hours
WMST 102 Women's Worlds (cross listed with PSYC 102)	3
WMST 301 Feminist Theory	3

Electives (12 semester hours)

Select four three credit courses from the following interdepartmental list to complete the eighteen required semester hours.

Note: With departmental approval up to 2 graduate courses at the 500 level may be substituted.

Anthropology

ANTH 380 Anthropology of Women 3

Classics and General Humanities

GNHU 383 Women in Antiquity 3

Counseling, Human Development and Educational Leadership

COUN 481 The Legal Rights of Women 3

Economics

ECON 250 Selected Topics in Economics 3

(Economics of Women; only a selected topic on women's issues
will be accepted for the minor.)

Educational Foundations

EDFD 264 Sexism in American Education 3

English

ENGL 250 Special Topics in English or American Literature 3

(Topic must be Black and White Women Writers, Lesbian Fiction
and Poetry or Utopian Fiction)

ENGL 294 Women Poets 3

ENGL 301 The Novels of Toni Morrison 3

ENGL 493 Seminar in American Literature 3

(Topic must be Images of Women in American Writing, 19th Century
American Women Writers, or Modern American Women Writers.)

ENLT 372 Women Prose Writers 3

ENLT 472	Seminar: Images of Muslim Women in Twentieth Century Literature and Culture	3
ENLT 492	Seminar in Comparative Literature	3
<i>(Title must be Leguin and Lessing)</i>		
Fine Arts		
ARHS 108	Women in Art	3
French, German, and Russian		
GRIN 297	Women in Russian Literature	3
History		
HIST 215	Women in American History	3
HIST 309	Feminist Ideas in Western Thought	3
HIST 334	Women in the Muslim World: A History of Representation ..	3
Human Ecology		
HECO 205	Women in Contemporary Society	3
Latin American and Latino Studies		
LALS 205	Images and Identity:Representation of Latin American Women in Fiction and Film	3
Legal Studies		
LSLW 391	Women and the Law	3
Linguistics		
LNGN 255	Language and Gender	3
Music		
MUHS 404	Selected Topics in Music History	3
<i>(Title must be Women and Music)</i>		
Philosophy and Religion		
RELG 104	Feminist Theology and Spirituality	3
RELG 207	Religious Texts in America: Women	3
RELG 267	Women in Religion	3
Political Science		
POLS 214	Women in Politics	3
Psychology		
PSYC 265	Psychology of Women	3
Sociology		
SOCI 414	Selected Topics in Applied Sociology	3
<i>(Women and Work)</i>		
SOCI 426	Sociology of Sexuality	3
SOCI 430	Sociology of Gender	3
Women's Studies		
WMST 302	Selected Topics: Women's Studies	3
WMST 401	Independent Study	3
WMST 402	Seminar in Women's Studies	3

Courses of Instruction

WMST 101
INTRODUCTION TO WOMEN'S STUDIES 3.0
 A team of two or more faculty members from various disciplines, employing scientific, sociological, historical, and artistic insights, methods and data examines the sources and meanings of different treatments of women in this and other human societies.

WMST 102
WOMEN'S WORLDS 3.0
 This course introduces the student to the broad and interdisciplinary field known as Women's Studies. It is designed to make students aware of the new discoveries in feminist research and to focus on many aspects of the female experience. The course is designed to help students understand different methodologies in diverse disciplines and to treat areas such as literature, history, psychology, and the arts through a thematic approach. Cross listed in Psychology under PSYC 102. Meets the General Education Requirement - Contemporary Issues. Meets the Multicultural Awareness Requirement.

WMST 301
FEMINIST THEORY 3.0
 This course examines a wide variety of feminist theories which illustrate the many ways in which issues of gender can be interpreted. Recognizing that gendered identities are molded by such factors as class, race, sexual orientation, and national identity, this course explores the issues of difference among women and the role of theory in conceptualizing such differences.
Prerequisite: WMST 102 or PSYC 102.

WMST 302
SELECTED TOPICS IN WOMEN'S STUDIES 3.0
 The exploration of a topic related to Women's Studies which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in an existing course., The specific topic will be announced each time the course is offered. May be repeated twice for a total of nine semester hours.
Prerequisite: WMST 102 or PSYC 102.

WMST 401
INDEPENDENT STUDY 3.0
 This course involves advanced research on a topic of particular interest to the student that goes beyond the scope of available courses in Women's Studies. Students are required to hand in an extensive paper documenting the results of their research.
Prerequisite: WMST 102 or PSYC 102 and departmental approval.

WMST 402
SEMINAR IN WOMEN'S STUDIES 3.0
 Each participant completes an individual project that is either (a) research on an approved topic or (b) a description and analysis of a long-term field experience. With a faculty facilitator, students discuss research strategies, issues, and work in progress.
Prerequisites: WMST 102 or PSYC 102 and WMST 301 and 9 additional hours in Women's Studies program. Junior standing.



INTERDISCIPLINARY MINORS

African-American Studies Minor (18 semester hours)

Director: Sandra-Collins

The undergraduate minor in African-American studies is an interdisciplinary academic program designed to be complementary to any of the undergraduate majors of Montclair State. The African-American and African syntheses within the context of African, American and European culture are presented with their transcultural, interethnic and intellectual traditions-providing an appreciation of the heritage, arts, sciences and values on non-European and non-Euro-American groups. The African-American Studies program will also provide for Black students a greater knowledge of self, self-respect and self-esteem. African-American Studies for other students will build knowledge and awareness of African-American history, African-American culture and African-American people. Students who are interested in completing the requirements of the minor are urged to consult with the director about their programs.

Required Courses (6 semester hours)

Select three semester hours from each category for a total of six required semester hours.

Semester Hours

Category A

HIST 108 Introduction to African Civilization 3
HIST 217 History of Black Americans 3

Category B

PSYC 246 Psychology of the Black Experience 3
SOCI 202 Racial and Ethnic Relations 3

Electives (12 semester hours)

Select 12 semester hours from the following interdepartmental list:

Anthropology

ANTH 170 Peoples of Africa 3

Earth and Environmental Studies

EUGS 412 Geography of Sub-Sahara Africa 3

English

ENGL 238 Black Writers in the United States: A Survey 3
ENLT 366 African Myth and Literature 3

Fine Arts

ARHS 275 Afro-American Art 3
ARHS 458 African Art: Sub-Saharan 3

History

HIST 108 Introduction to African Civilization 3
HIST 217 History of Black Americans 3

Human Ecology

HEFM 445 The Inner City Family 3

Management

MGMT332 Minorities in Business 3

Music

MUGN 150 Influence of Afro-American Culture on Music 3
MUGN 209 Introduction to Jazz 3
MUGN 309 The Art of Jazz 3

Political Science

POLS 204 Government and Politics of Africa 3
POLS 312 Black Politics in America 3

Psychology

PSYC 246 Psychology of the Black Experience 3.0

Sociology

SOCI 202 Racial and Ethnic Relations 3
SOCI 205 Black Family 3
SOCI 311 Urban Sociology 3

Theatre and Dance

DNCE 345 Dance Technique: Ethnic 3

Course of Instruction

AFAM 100

INTRODUCTION TO BLACK STUDIES

3.0

This course is designed: (1) to introduce and define the origins, relevance and scope of Black Studies and to discuss critically major challenges facing Black Studies; (2) to introduce and to delineate fundamental issues and areas for critical discussion in the discipline and the seven core areas of Black Studies (Black History, Black Religion, Black Social Organization, Black Politics, Black Economics, Black Creative Production, Black Psychology), as well as the emergence and development of Afrocentricity, Black Women's Studies, Multicultural Studies, and Classical African Studies; and (3) to raise provocative questions about the Black experience which cultivate the use of and an appreciation for inquiry and analysis as indispensable tools to an effective grasp and critical discussion of Black Studies.

Archaeology Minor (18 semester hours)

Coordinator: Timothy Renner

Jointly sponsored by the Anthropology, Classics and General Humanities, and Fine Arts departments, together with support from Earth and Environmental Studies, this minor offers the student an interdisciplinary program in the study of ancient cultures. The minor is flexible enough to allow students to explore the newest scientific techniques in excavation, dating, and laboratory analysis as well as the historical and aesthetic appreciation of the arts of ancient societies. It also encourages the study of foreign languages and those natural sciences which aid in the reconstruction of ancient cultures.

Through the University's Center for Archaeological Studies, students have numerous opportunities to participate in fieldwork as part of their coursework and/or preprofessional experience in archaeology. Currently, for instance, it is possible for students to develop basic fieldwork skills in surveying, excavating, artifact processing, and mapping through projects which are sponsored or cosponsored by the Center in regions as diverse as Sussex County, New Jersey (for native North American cultures), Belize (for Maya culture), and Israel-Syria (for Bronze Age, Iron Age, and Greco-Roman cultures of the Middle East). Students may also develop expertise in geoarchaeology by working with faculty from the Department of Earth and Environmental Studies.

The Archaeology minor makes an excellent complement to any liberal arts or professional studies major. But more specifically, archaeology has recently become a subject of great interest to many people in the public at large, and students who go on to work in the media, in the travel industry, and in international business (to name only a few examples) can profit greatly from studying it. In addition, the need for archaeological impact studies for construction and historic preservation projects has created many new opportunities in applied archaeology, especially for students who also study anthropology and/or go on to graduate work in archaeology. Lastly, students who wish to do graduate work in archaeology in preparation for a career in teaching, research, or museum work will find the Archaeology minor to be excellent preparation, especially when combined with a major in an appropriate related area such as Anthropology, Classics, or Art History.

Required Courses (6 semester hours)

	Semester Hours
ANTH 103 Prehistoric Archaeology	3
GNHU 181 Introduction to Classical Archaeology	3

Electives (12 semester hours)

Group A (Select at least one):	12
Fine Arts	
ARHS 215 Ancient Art	3
ARHS 328 Survey of Greek Art	3
ARHS 457 Pre-Columbian, Oceanic, and African Art	3
ARHS 485 Ancient Art in Italy: Etruscan and Roman Art	3

Group B (Select one to three):

Anthropology	
ANTH 270 Archaeology of Ancient Middle America	3
ANTH 370 Experimental Archaeology	3
ANTH 470 Archaeological Field Methods	3-6
ANTH 490 Internship in Anthropology	3-6
Classics and General Humanities	
GNHU 281 Greek Civilization	3
GNHU 282 Roman Civilization	3
GNHU 351 The City in Antiquity	3
GNHU 361 Selected Topics in Mediterranean Archaeology	3
GNHU 362 Field Methods in Mediterranean Archaeology	3

Criminal Justice Minor

Coordinator: David J. Dodd

This interdisciplinary minor offers students the opportunity to prepare for work in the Criminal Justice field. It is designed to provide students with the concepts and research methods needed for a successful career in criminal justice agencies and for graduate work in criminology and criminal justice. A minor in Criminal Justice is useful preparation for a career in police work, corrections, probation, parole, youth work, counselling, public and social service administration.

Required Courses (18 semester hours)

	Semester Hours
SOCI 101 Criminology	3
SOCI 232 Introduction to Criminal Justice	3
SOCI 322 Juvenile Delinquency and Juvenile Justice	3
SOCI 325 The Sociology of Police	3
SOCI 353 Sociology of Corrections	3
LSPR 301 Criminal Law and Procedure	3

Electives (6-7 semester hours)

Two electives to be chosen from among the following (6-7 semester hours):

Anthropology	
ANTH 230 Anthropology of Conflict and Violence	3
OR	
SOCI 230 Sociology of Conflict and Violence	3
Justice Studies	
JUST 240 Statistics for Social Research	4
Legal Studies	
LSPR 317 Evidence	3
Political Science	
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
OR	
LSLW 360 Rights, Liberties and American Justice (Legal Studies)	3
Psychology	
PSYC 231 Psychology of Aggression	3
PSYC 248 Psychology and Law	3
PSYC 330 Forensic Psychology	3
PSYC 365 Abnormal Psychology	3
Sociology	
SOCI 203 Sociology of Organized Crime	3
SOCI 238 Research Methods in Criminal Justice	3
SOCI 321 White Collar Crime	3
SOCI 405 Deviance and Social Control	3
SOCI 420 Sociology of Law	3

Total number of semester hours: 24-25

Note: For students who prefer to include the study of Criminal Justice within their major, the university now offers a Justice Studies major with a concentration in Justice Systems. This program focuses on issues of justice from a multi-disciplinary perspective, incorporating Sociology, Legal Studies, and Psychology.

Film Minor

Film Minor
Coordinator:
Janet Cutler

Film Production
Coordinator:
Michael Siporin

An interdisciplinary program, designed for students in both the humanities and the fine arts, the Film Minor offers experience in filmmaking, as well as criticism, history, theory, and aesthetics.

Required Courses (6 semester hours)

ARFM	200	Film Making, Beginning	1	3
ENFL	208	Introduction to the Film		
		OR		
GNHU	208	Introduction to the Film		3

Electives

Survey Courses (6 semester hours)

Students must select two of the following:

English

ENFL	250	Major Film Directors	3
ENFL	255	World Film	3
ENFL	260	Major Film Genres	3

Fine Arts

ARFM	210	Film Making, Beginning II	3
------	-----	---------------------------	---

Specialized Courses (6 semester hours)

Students must select two of the following:

Classics and General Humanities

GNHU	286	French Film	3
------	-----	-------------	---

English

ENFL	310	Screenwriting I	3
ENFL	350	Three Directors	3
ENFL	356	The Contemporary Film	3
ENFL	357	American Film to 1945	3
ENFL	358	American Film 1945 to the Present	3
ENFL	360	Film Comedy	3
ENFL	410	Screenwriting II	3
ENFL	490	Special Topics in Film Studies	3
ENFL	496	Seminar on Film	3

Fine Arts

ARFV	220	Video with Computer Multi-media, Introduction A	3
ARFM	280	Film as Art: Historical and Contemporary	3
ARFM	300	Film Making, Intermediate	3
ARFM	400	Film Making, Advanced	3

French, German, and Russian

FRIN	286	French Film	3
------	-----	-------------	---

Spanish/Italian

ITAL	276	The Italian Cinema	3
------	-----	--------------------	---

International Studies Minor (18 Semester Hours)

Director: Benjamin Hadis

The purpose of this interdisciplinary minor is to provide students with an education that broadens their knowledge of the peoples of the world, international events, and the socio-economic and socio-political background to global affairs. To do this, it integrates area studies and the study of international problems viewed from a cross disciplinary perspective. New curricular efforts, including global perspectives in issues-oriented courses, are emphasized.

This minor provides a splendid foundation for careers in which an understanding of international economic, political, social, and cultural affairs is of importance; it also provides a foundation for graduate work in the field; and is an excellent complement to majors in the humanities, social sciences, fine arts and business.

Required Courses (6 semester hours)

Basic Core Requirements

	Semester Hours
INTL 100 Introduction to Global Issues	3
INTL 400 Integrative Seminar in International Studies	3

Electives (12 semester hours)

Select twelve semester hours from the following list which may also be obtained from the director of the program or at:

www.chss.montclair.edu/~hadisb/minor.htm

These electives will include six semester hours in area studies courses and three semester hours each in global issues and courses with international focus.

AREA STUDIES COURSES: 6 semester hours

Anthropology

ANTH	170	Peoples of Africa	3
ANTH	150	Native Latin Americans	3
ANTH	304	Peoples of the Soviet Union	3
ANTH	270	Archaeology of Ancient Middle America	3
ANTH	431	Development of Indian Character and Culture	3
ANTH	432	Development of Japanese Character and Culture	3

Earth and Environmental Studies

EUGS	308	Land and Life in Latin America	3
EUGS	412	Geography of Sub-Sahara Africa	3

English

ENLT	366	African Myth and Literature	3
ENLT	376	Modern European Novel	3

Fine Arts

ARHS	458	Africa Art: Sub-Saharan	3
------	-----	-------------------------	---

French, German, and Russian

GRIN	293	Russian Culture and Civilization	3
------	-----	----------------------------------	---

History

HIST	105	Emergence of European Civilization, 1500-1914	3
HIST	106	Contemporary Europe, 1914 to the Present	3
HIST	108	Introduction to African Civilization	3
HIST	114	Early Latin American Civilization	3
HIST	115	History of Puerto Rico	3
HIST	116	Modern Latin-American Civilization	3
HIST	131	Introduction to Indian Civilization	3
HIST	132	Introduction to Chinese Civilization	3
HIST	133	Modern Chinese Civilization	3
HIST	322	Medieval European Civilization, 450-1350	3
HIST	323	History of Russia to 1917	3
HIST	324	Russia Since 1917	3
HIST	328	Conflict in Modern Ireland	3
HIST	329	History of England to 1714	3
HIST	331	History of England, 1714-1914	3
HIST	333	History of Brazil	3
HIST	416	Church and State in Latin America	3
HIST	419	Age of Renaissance, 1350-1517	3
HIST	425	Ideas in European History: Burke to Nietzsche	3
HIST	426	The Nazi Third Reich	3
HIST	430	Revolutions in Latin American History	3
HIST	431	Development of Indian Character and Culture	3
HIST	432	Development of Japanese Character and Culture	3

Philosophy and Religion

PHIL	237	Asian Philosophy	3
RELG	202	Asian Religions	3

Political Science

POLS	204	Government and Politics of Africa	3
POLS	206	Government and Politics of China and Japan	3
POLS	316	Contemporary Western European Politics	3
POLS	404	Government and Politics of India and South Asia	3
POLS	405	Government and Politics of Latin America	3
POLS	406	Government and Politics of the Middle East	3
POLS	407	Government and Politics in the Post-Soviet States	3
POLS	412	Government and Politics in the East European States	3

Spanish/Italian

ITAL	363	Italians and Italian-Americans: Comparative Studies	3
------	-----	---	---

GLOBAL ISSUES COURSES: 3 semester hours**Anthropology**

ANTH	230	Anthropology of Conflict and Violence	3
ANTH	312	Peasant Culture	3
ANTH	350	Anthropology of Aging and the Aged	3
ANTH	380	Anthropology of Women	3
ANTH	425	Anthropology of Religion	3

Earth and Environmental Studies

EUGS	102	World Geography	3
GEOS	110	Natural Disasters	3
GEOS	198	Earth, Society and Energy Alternatives Race	3
EUGS	300	World Resources and Industries	3
EUGS	421	Population Problems of the World	3

Economics and Finance

ECON	300	World Resources and Industries	3
ECON	403	Comparative Economic Systems	3

English

ENLT	176	World Literature: The Coming of Age Theme	3
ENLT	177	World Literature: Voices of Tradition and Challenge	3
ENFL	255	World Film	3

Fine Arts

ARHS	217	Selected Masterpieces of World Art	3
------	-----	--	---

History

HIST	315	War in History	3
SOSC	223	Simulation Games and Global problems	3

Human Ecology

HENU	153	Food and People	3
------	-----	-----------------------	---

Philosophy and Religion

RELG	100	Religions of the World	3
RELG	225	Religion and Social Change	3

Sociology

SOCI	216	Sociology of Food and Population	3
SOCI	218	Sociology of Population	3
SOCI	219	Sociology of Aging	3
SOCI	220	Sociology of Rich and Poor Nations	3
SOCI	315	Social Stratification	3

INTERNATIONAL FOCUS: 3 semester hours**Anthropology**

ANTH	100	Cultural Anthropology	3
ANTH	102	Anthropological Linguistics	3
ANTH	360	Cultural Ecology	3
ANTH	405	Psychological Anthropology	3
ANTH	440	Medical Anthropology	3
ANTH	461	Cultural History of Primitive Societies	3

Curriculum and Teaching

ISED	101	Technology and Culture: Past, Present and Future	3
------	-----	--	---

Economics and Finance

ECON	222	Economic History of Europe	3
ECON	303	Economic Growth and Development	3
ECON	402	International Economics	3

Earth and Environmental Studies

EUGS	101	Human Geography	3
EUGS	462	People and Cities: Comparative Urban Studies	3
GEOS	201	Climatology	3

Economics and Finance

FINC	327	International Financial Management	3
FINC	431	Advanced International Financial Management	3

Fine Arts

ARHS	220	Art in Non-Western Societies	3
ARHS	327	History of Oriental Art	3
ARHS	457	Pre-Colombian, Oceanic and African Art	3

History

HIST	103	Foundations of Western Civilization	3
HIST	204	The Second World War	3
HIST	309	Feminist Ideas in Western Thought	3

Management

MGMT	336	International Business Management	3
------	-----	---	---

Marketing

MKTG	349	International Marketing	3
------	-----	-------------------------------	---

Music

MUGN	160	Introduction to Music in World Cultures	3
------	-----	---	---

Political Science

POLS	202	International Relations	3
POLS	203	International Organizations	3
POLS	303	Politics of Development and Modernization	3
POLS	430	International Law	3

Sociology

SOCI	212	Sociology of Social and Technological Change	3
SOCI	230	Sociology of Conflict and Violence	3
SOCI	219	Sociology of Aging	3
SOCI	404	Sociology of Religion	3

Spanish/Italian

ITAL	364	The Italian Cinema	3
PORT	260	Luso-Brazilian Culture	3
SPIN	161	Magic Realism in Spanish American Literature	3
SPIN	180	Luso-Brazilian Literature	3

Courses of Instruction**INTL 100****INTRODUCTION TO GLOBAL ISSUES**

3.0

This course is designed to offer students an opportunity to study, in a cross-cultural context, a number of topics which are of a global nature and affect humanity in profound ways and which may influence the evolution of world trends.

INTL 400**INTEGRATIVE SEMINAR IN INTERNATIONAL STUDIES**

3.0

Directed research and preparation of seminar reports and written papers on topics which utilize comparative as well as interrelated approaches to international and global issues and themes.

Prerequisites: Program director's approval.

INTL 401**STUDY ABROAD**

6.0-12.0

Actual courses of instruction are those offered by institutions taking part in Montclair State's study abroad or student exchange programs. Students participating in the program will select, in advance, the courses by consulting with the director of International Studies, their academic advisors, and the coordinator of the overseas program at the host institution.

Prerequisites: Program director's approval.

Latin American and Latino Studies Minor

Director: Aristides Escobar-Argaña

The Latin American and Latino Studies Program (LALS) is an interdisciplinary program, which offers an academic minor. At present, LALS includes academic courses in nine departments. The minor requirements consist of a minimum of 18 credits: an introductory course, which meets the Multicultural Awareness Requirement, a capstone course and four other courses. Students may major in any academic department of their choice.

Language proficiency in Spanish or Portuguese is required. Language proficiency must be satisfied before a student declares a minor in LALS. Students may pass a language proficiency test administered by a program advisor or complete two semesters (six credits) in one of the above languages. This last option meets the General Education Requirement for foreign language. Such language study will not be included in the 18 credits required for the minor. Exceptions can be made at the discretion of the director of the program.

Study abroad is strongly recommended, although it is not a requirement. Arrangements for students interested in this option will be made through Montclair State University Office of International Studies. As many as four courses, excluding language instruction, may be used from the study abroad experience to complete the LALS minor. However, all course work must be carefully selected with an LALS advisor; methods of evaluation must be agreed upon, and LALS 401 must be taken after the study abroad experience.

Required Courses (6 semester hours)

	Semester Hours
LALS 201 Perspectives on Latin America	3
LALS 401 Capstone Course in Latin America and Latino Studies	3

Electives (12 semester hours)

Select 12 semester hours (four courses) of electives from the interdepartmental list below. These four elective courses will be completed in at least two different academic departments. Courses will be selected with the help and approval of a program advisor so the selection reflects a cohesive structure that is articulated to the student's major concentration.

Anthropology	
ANTH 150 Native Latin Americans	3
Earth and Environmental Science	
EUGS 308 Land and Life in Latin America	3
Economics and Finance	
ECON 250 Selected Topics in Economics	3
<i>(Topic must be: Economics of Latin America and the Caribbean)</i>	
History	
HIST 114 Early Latin American Civilization	3
HIST 115 History of Puerto Rico	3
HIST 116 Modern Latin American Civilization	3
HIST 333 History of Brazil	3
HIST 416 Church and State in Latin America	3
HIST 430 Revolutions in Latin American History	3
Latin American and Latino Studies	
LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction	3
Legal Studies	
LSPR 316 Skills for Bilingual Legal Personnel	3
Philosophy and Religion	
RELG 256 Religion in Latin America	3
Political Science	
POLS 405 Government and Politics of Latin America	3
Spanish and Italian (Courses taught in Spanish)	
SPAN 161 Masterpieces in Spanish American Literature I	3
SPAN 162 Masterpieces in Spanish American Literature II	3
SPAN 270 Spanish American Cultural History	3
SPAN 447 Contemporary Spanish American Short Story	3
SPAN 448 Contemporary Spanish American Poetry	3
SPAN 449 The Spanish American Novel	3
SPAN 466 Contemporary Spanish American Theater	3
SPAN 471 Contemporary Trends in the Spanish American Novel	3
SPAN 472 Puerto Rican Literature and Thought	3
SPAN 475 Seminar on Hispanic Culture in the United States	3
SPAN 481 Field Work in Hispanic Community I	3

Courses of Instruction

LALS 201	PERSPECTIVES ON LATIN AMERICA	3.0
A multidisciplinary course: emphasis on anthropological, political, economic, cultural, and historical issues. Assume that the "Americas" are a geographical and cultural unit whose apparent diversity represents that of various indigenous peoples with an overlay of European patterns of colonialism, including slavery. Meets the Multicultural Awareness Requirement.		
LALS 205	IMAGE AND IDENTITY: REPRESENTATION OF LATIN AMERICAN WOMEN IN FILM AND FICTION	3.0
An analysis of representations of Latin American women in film and fiction with a special focus on the process of identity construction. Representations of women from pre-Colombian times to the present will be studied in relation to their use in the perpetuation of ideologies. Intended as an overview of the social history of women in Latin America, the course may be taken as an elective or as part of the Latin American and Latino Studies minor. Meets the General Education Requirement - Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.		
LALS 290	SELECTED TOPICS IN LATIN AMERICAN AND LATINO STUDIES	3.0
Study of selected topics and problems in Latin American and Latino Studies. Topics announced each semester.		
LALS 401	CAPSTONE COURSE IN LATIN AMERICAN AND LATINO STUDIES	3.0
Involves intensive reading, field work and research that focuses on a specific area of Latin American and Latino studies. Topic must be selected by instructor; may be a more advanced and centered treatment of a lower level course.		
<i>Prerequisite: LALS 201.</i>		



OTHER PROGRAMS

Combined Bachelor of Science/Doctor of Dental Medicine Degree Program

Montclair State and the University of Medicine and Dentistry of New Jersey - New Jersey Dental School (UMDNJ-NJDS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Dental Medicine (D.M.D.) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and dental degrees in a seven-year sequence.

This program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study at UMDNJ. Qualified high school seniors and first-year students at Montclair State may apply; admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class, and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores (1300 composite from a single test administration) must also be submitted.

A student accepted into this program is assured of a place in the dental school once he or she has successfully completed the requirements of the three-year program at Montclair State and submitted a satisfactory Dental Admissions Test (DAT) score.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the dental program.

The program of study at Montclair State requires the completion of a minimum of ninety-eight credits of pre-dental and Montclair State graduation requirements. A minimum grade of B in each of the science courses is required. Further, all Montclair State curriculum requirements for graduation, including the General Education Requirements and degree program requirements for the major, must be completed, with a cumulative grade point average of 3.00 or better, in order to continue in the combined program.

Students already enrolled at Montclair State may also apply for the combined accelerated BS/DMD program by applying for admission no later than the completion of sixty semester credits at Montclair State or one year prior to anticipated NJDS matriculation. Students who wish to complete the BS degree at Montclair State prior to dental school entry are eligible to participate in this agreement for an early decision on dental school acceptance. This request must be made no later than the completion of sixty semester credits at Montclair State.

Additional information about this program may be obtained from the chairperson of the Department of Biology and Molecular Biology at (973) 655-4397.

Combined Bachelor of Science/Doctor of Medicine Degree Programs

Montclair State and the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Medicine (MD) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and medical degrees in a seven-year sequence. An eight-year joint program is also available for students enrolled in the Health Careers Program at Montclair State. Each student accepted into one of these two programs is assured of a place in the medical school upon successful completion of his or her program requirements at Montclair State.

Seven-Year Program

The Seven-Year Program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study in the Medical Education Program at UMDNJ-NJMS. Qualified high school seniors whose SAT combined verbal and mathematical scores are 1400 or higher in one test sitting may apply. Deadline for application is December 15th. Admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class (first 10%), and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores of at least 1400 from a single test administration must also be submitted.

All students accepted into the Seven-Year Program must enroll in the Honors Program at Montclair State. Each selected student is assured of a place in the medical school once he or she has successfully completed the requirements of the program at Montclair State.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the medical program.

This program is available for qualified students who plan to major in one of the following at Montclair State: Biology, Molecular Biology, Computer Science, Mathematics, Chemistry, Biochemistry, Psychology or Anthropology. The program of study includes a minimum of one year of Biology, General Chemistry, Organic Chemistry and Physics. A minimum grade of B in each of the required science courses is required. Further, all Montclair State curriculum requirements for graduation, including the completion of requirements for an honors degree and degree program requirements for the respective majors, must be completed with a cumulative grade point average of 3.40 or better in order to continue in the combined program.

The deadline to submit applications for the Seven-Year Program is December 15th.

For more information about the Seven-Year Program, contact the director of the Honors Program at (973) 655-7374, or the chairperson of the Biology and Molecular Biology Department at (973) 655-4397.

Eight-Year Program

The Eight-Year BS/MD Combined Program is an articulation agreement between the University of Medicine and Dentistry of New Jersey, New Jersey Medical School (UMDNJ, NJMS) and Montclair State University's Health Careers Program, which results in the granting of a Baccalaureate degree from MSU and a Doctor of Medicine degree from UMDNJ, NJMS. While at MSU, students have four years of full-time study in an approved honors program, while receiving comprehensive support services and participating in summer and academic year enrichment activities. Upon successful completion of program requirements at MSU, students advance automatically to the New Jersey Medical School.

Admissions to the Eight Year BS/MD Combined Program is offered to high school seniors through the Health Careers Program who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics and who are planning to major in Biology, Biochemistry, Chemistry or Microbiology. Candidates are evaluated based on their high school grade point average (B or better), SAT scores (550-verbal, 550-math in a single test administration), rank-in-class (first ten percent) and letters of recommendation from high school teachers.

Standards to be met while at Montclair State University include: 3.20 or better grade point average; a minimum grade of "B" in science courses required for admissions to UMDNJ, NJMS (General Biology - 8 credits, General Chemistry - 8 credits, Organic Chemistry - 6 credits and Physics - 8 credits); fulfill all requirements for the HCP Honors curriculum; and participate in summer study or independent research projects at NJMS.

The deadline to submit application for the Eight-Year BS/MD Combined Program is December 15th.

For more information about the Eight-Year BS/MD Combined Program, contact the Director of the Health Careers Program at (973) 655-4415.

Experiential Education Courses and Programs

Purpose

Within the University curriculum there are work-based and service-based courses designed to foster learning from experience. Arranged and monitored by faculty and staff, students go off-campus to learn in community settings, businesses, agencies, and not-for-profit organizations.

Work-based courses are designed to intensify the development of personal and professional skills and competencies needed for after graduation employment.

Service-based courses are structured to integrate service and classroom activities so that students develop an appreciation of the larger problems of society and become more informed and involved citizens.

The Cooperative Education Program

The Cooperative Education Program is designed to assist students explore career options and develop the skills and abilities needed for career success. The integration of a supervised internship into their course of study better prepares students to make informed career choices and manage their career after graduation. Students enrolled in the Program have exposure to emerging technology and the culture of the workplace while also improving their oral and written communication skills.

Eligibility

Application to the Program is limited to degree-seeking students from all majors who have earned 45 credits and a 2.00 grade point average. Some affiliated academic departments have additional requirements which are described in each of the departmental co-op course descriptions. Transfer students may apply after they have earned 15 credits at MSU.

Obtaining a Co-op Position

The Cooperative Education Program maintains a network of participating employers in business, laboratories, government and the social service sector. Students work with professional staff to prepare an application profile which is then submitted to potential employers, who then select candidates and make final hiring decisions.

A Supervised Learning Experience

The Cooperative Education Program affiliates with employing organizations that provide opportunities for learning. Every effort is made to structure the work experience to maximize student growth and development. An employment supervisor provides guidance and written feedback to the student during the co-op semester.

Academic Credit for Learning

Within the undergraduate program, students may earn up to 16 credits from a combination of co-op courses over a period of three or four semesters. Credit is earned for each semester of participation, including the summer term. The number of credits earned ranges from 3 to 9, depending upon the duration of the internship. Multiple internships may take place in a single setting or with different employing organizations. Credit is awarded for documented learning.

Co-op course enrollment is arranged by a professional staff member affiliated with the Program. A faculty advisor is assigned to each student after they enroll in a co-op course. The student and faculty advisor develop a Learning Agreement which forms the basis for the grade. During the co-op semester many faculty advisors require on campus seminars to explore work-related challenges and emerging insights about career development issues.

Advance Planning

The Cooperative Education Program seeks to provide every eligible student with the maximum benefits of participation. Preparation workshops, counseling and an offer by an employer is required before a student enrolls in a co-op course. Special arrangements have been made with the Office of the Registrar to accommodate course enrollment after the normal fall and spring registration deadlines. Students are urged to apply to the Program at least four months before enrollment is desired in order to adequately prepare for employment interviews. A Policy and Procedures Handbook is provided to each applicant.

Location

The Cooperative Education Program is located in the Morehead Hall, third floor, telephone: (973) 655-4426.

Cooperative Education Courses

		Semester Hours
COED	201	Cooperative Education Internship Seminar 1.0
COED	401	Cooperative Education-Experience I 3.0-8.0
COED	402	Cooperative Education-Experience II 3.0-8.0
COED	403	Cooperative Education-Experience III 3.0-8.0
COED	404	Cooperative Education-Experience IV 3.0-8.0
BEOS	230	Introduction to Business Work Experience 3.0-6.0
BIOL	409	Externship in Biological Research (Cooperative Education) 1.0-4.0
CMPT	499	Cooperative Education in Computer Science 3.0-8.0
ENWR	301	Cooperative Education (English) 4.0-8.0
FINC	491	Cooperative Education-Finance 3.0-8.0
FREN	380	Cooperative Education for the French Major 4.0-8.0
GERM	385	Cooperative Education for German Majors 4.0-8.0
GNHU	391	Cooperative Education for the Liberal Arts 4.0-8.0
INDS	460	Cooperative Industrial Internship 4.0-8.0
ITAL	385	Cooperative Education (Italian) 4.0-8.0
LSLW	498	Cooperative Education: Pre-law Studies 4.0-8.0
LSPR	498	Cooperative Education: Paralegal Studies 4.0 or 8.0
MKTG	399	Business Work Experience II 4.0-8.0
PCOM	391	Cooperative Education in Psychology 4.0-9.0
PEMJ	380	Internship in Physical Education 8.0
PEMJ	381	Cooperative Education in Physical Education 8.0
PERL	381	Cooperative Education in Recreation and Parks 4.0-8.0
PORT	385	Cooperative Education (Portuguese) 4.0-8.0
SOCI	390	Cooperative Education in Sociology 8.0
SPAN	385	Cooperative Education (Spanish) 4.0-8.0

The Service Learning Program

Purpose

Service-Learning is a way of teaching that integrates service in the community with the content of a course. It is designed to foster reflective thinking and civic responsibility, and enhance student learning through first-hand experiences with issues of literacy, aging, access to technology, adolescents at risk, and alcohol/substance abuse prevention.

Enrollment

Enrollment into the Service-Learning Program is open to undergraduate and graduate students. Courses are identified by a standard note "8" in the Schedule of Courses booklet. Students can register for a designated service-learning course during the University-wide registration period.

Supervision

Every effort is made to structure the service-learning experience to maximize student growth and development. Faculty and community supervisors provide guidance and written feedback to students during the service-learning semester.

Location

The Service-Learning Program is located in Morehead Hall, third floor, telephone: (973) 655-4363.

Department Sponsored Experiential Education Courses*

There are numerous courses offered through academic departments within the Colleges and Schools of the University.

To enroll in a department-sponsored course, a student should consult with her/his academic advisor and department chair.

*See specific department section of this catalog for a description of department-sponsored Experiential Education Courses

College of Education and Human Services

		Semester Hours
HLTH	350	Field Study in Health 2.0-6.0
PEMJ	379	Internship in Athletic Training 4.0
PERL	271	Clinical Experiences in Therapeutic Recreation 1.0
PERL	285	Field Experience in Recreation and Parks 2.0-4.0
PERL	489	Internship 12.0
HECO	409	Internship in Home Economics 8.0-12.0
HEFD	252	Quantity Food Purchasing and Production 2.0
HENU	489	Externship in Food and Nutrition 2.0

College of Humanities and Social Sciences

		Semester Hours
ANTH	470	Archeological Field Methods 3.0-6.0
ANTH	490	Internship in Anthropology 3.0-6.0
HIST	443	Internship in History 3.0
LNGN	430	Field Methods (Linguistics) 3.0
LSLW	497	Pre-law Seminar and Internship
LSPR	497	Paralegal Seminar and Internship 3.0
LSPR	499	Selected Topics in Paralegal Studies 3.0
POLS	420	Seminar and Internship in Political Science 4.0
POLS	426	Seminar and Internship Public Administration I 4.0
POLS	306	Campaign Politics 3.0
PCOM	385	Advanced Community Psychology: Externship 3.0
PSYC	300	The Teaching of Psychology 3.0
SPAN	360	Hispanic Community Program 3.0
SPAN	481	Field Work - Hispanic Community I 3.0
SPAN	482	Field Work - Hispanic Community II 3.0
SPAN	483	Field Work - Hispanic Community III 3.0

College of Science and Mathematics

		Semester Hours
EUGS	463	Internship (Earth and Environmental Studies) 3.0-12.0

School of the Arts

		Semester Hours
BDCS	490	Internship: Broadcasting 4.0-16.0
DNCE	490	Internship in Dance 4.0-15.0
SPCM	490	Internship: Communication Studies 4.0-16.0
THTR	407	Internship: Design/Technical Theatre 4.0-12.0
THTR	490	Internship in Theatre 4.0-16.0
ARGS	441	Externship in Studio 2.0-8.0
ARGS	480	Field Trip in Studio 2.0-8.0
ARHM	460	Externship in Museum Studies 2.0-8.0
ARHS	480	Field Trip in Art History 2.0-6.0
MUTH	465	Internship in Music Therapy 1.0

School of Business

		Semester Hours
BEOS	330	Office Systems Administration Professional Work Experience Program 3.0-6.0
DIST	456	Honors Program-Executive Retail Training I 4.0
MGMT	392	Business Internship 1.0-3.0
MGMT	491	Small Business Institute 3.0
MKAD	392	International Business Internship 1.0-3.0
MKTG	348	Merchandise Information 3.0
MKTG	351	Supervised Work Experience and Seminar I 3.0
MKTG	399	Business Work Experience II 4.0-8.0
MKTG	451	Supervised Work Experience and Seminar II 3.0
MKTG	490	Marketing Internship 3.0
MKTG	491	Marketing Co-op 1.0-8.0

Courses of Instruction

COED 201

COOPERATIVE EDUCATION INTERNSHIP SEMINAR 1.0

The course is a seminar held concurrently for the student enrolled in the co-op program. It intends to provide students with the opportunity to observe, analyze, and process their internship. The major goals of the course are to assist students in understanding themselves, life in organizations, and use this information to direct future learning.

COED 401

COOPERATIVE EDUCATION EXPERIENCE I 3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual departments.

COED 402

COOPERATIVE EDUCATION EXPERIENCE II 3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual departments.

COED 403

COOPERATIVE EDUCATION EXPERIENCE III 3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual departments.

COED 404

COOPERATIVE EDUCATION EXPERIENCE IV 3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual departments.

Health Careers Program

Director: Donna Lorenzo

The Health Careers Program (HCP), funded jointly by MSU and the NJ Educational Opportunity Fund, provides opportunities for highly motivated and academically capable students from financially and educationally groups underrepresented in the health professions and the sciences, to complete undergraduate studies at Montclair State University and compete for admission to health professions and graduate schools. During the Pre-Freshman Summer Program, HCP provides formal course work and comprehensive supportive services, such as tutoring, collaborative learning and recitation sessions, academic advisement, counseling, lectures, field trips and financial assistance. Upper-class HCP students participate in preceptorships, summer externships, research activities, and other field experiences.

Articulation Agreements and Partnerships

Eight-Year BS/MD Combined Articulation Program

The Eight-Year BS/MD Combined Program is an articulation agreement between the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) and the Health Careers Program at Montclair State University (MSU), which results in the granting of a Baccalaureate degree from MSU and a Doctor of Medicine degree from UMDNJ-NJMS. While at MSU, students complete four years of full-time study in an approved honors program, receive comprehensive support services and participate in summer and academic year enrichment activities. Upon successful completion of program requirements at MSU, students automatically advance to the medical school.

Eight-Year BS/DMD Combined Articulation Program

The Eight-Year BS/DMD Combined Program is an articulation agreement similar to the Eight-Year BS/MD Combined Program. The Eight Year BS/DMD combined agreement is between the University of Medicine and Dentistry of New Jersey-New Jersey Dental School (UMDNJ-NJDS) and the Health Careers Program at Montclair State University. A Baccalaureate degree from MSU and a Doctor of Dental Medicine in Dentistry degree from UMDNJ-NJDS is granted. Students commence the program by completing four years of full time study at MSU, majoring in biology, molecular biology, chemistry and/or biochemistry while participating in summer and academic year enrichment activities. Upon completion of program requirements at MSU, students automatically advance to the New Jersey Dental School.

Partnership for Health Professions Education (PHPE)

Health Careers is a member of the Partnership for Health Professions Education (PHPE) at the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS). The purpose of this partnership is to increase the pool of qualified applicants from underrepresented groups interested in pursuing careers within the health professions and the sciences. The Partnership focuses on students at the high school and college levels. The Health Careers Program informs and refers high school students to UMDNJ-NJMS for participation in Saturday academies where they receive hands-on experiences, and attend conferences, seminars and workshops related to the health professions and the sciences. College level students are invited to participate in science courses, externships, research experiences, volunteer work, MCAT preparatory courses and other relevant activities.

Medical Academic Advancement Program (MAAP)

Montclair State University participates in the Medical Academic Advancement Program (MAAP) consortium with the University of Virginia School of Medicine. The purpose of the consortium is to increase the number of disadvantaged students who are accepted into the University of Virginia School of Medicine, and other medical schools. HCP students participate in an intensive six-week summer program enrolled in biology, chemistry, physics, quantitative relationships, reading and essay printing courses. These courses prepare students for the Medical College Aptitude Test (MCAT). Other benefits include clinical or research laboratory experiences, under the supervision of faculty mentors; lectures on clinical medicine and biomedical research topics, academic advisement and information about and assistance with the medical school application process

For information regarding the Health Careers Program, the Combined Eight-Year BS/MD and BS/DMD Articulation Agreement, PHPE or MAAP, please call (973) 655-4415 or visit the HCP Office located in Richardson Hall 368.

Honors Program

Director: Thomas E. Benediktsson

The Honors Program provides a core of academic excellence, stimulates a sense of community, and establishes a lively and creative force in support of the academic and intellectual interests of outstanding students. Participants share a core curriculum of interdisciplinary seminars which fulfill various components of the undergraduate general education requirements. Honors sections of regular courses may also be available to participants as well as to selected students who are not participants in the Honors Program itself.

Admission to the Honors Program as a freshman requires that the applicant meet two of the following criteria:

1. Rank in the top 10% of high school class.
2. A score of at least 600 on either the verbal or math SAT.
3. A combined SAT score of at least 1200.
4. An unusual ability in the creative arts or exceptional leadership or other extraordinary accomplishment.

Students interested in applying to the program must fill out an application form that includes a brief essay. Selected candidates may be interviewed by a member of the Honors Program Advisory Board as part of the admission process. The number of students in the program is limited. Completion of the program's requirements becomes a part of the student's official transcript. It is expected that students in the Honors Program will choose to be involved in existing honors programs within their major disciplines. Courses in the junior year are designed to facilitate this transition.

Required Courses

Semester Hours

Freshman Year:

HONP 100	Honors Seminar in Great Books and Ideas, Part I	3.0
HONP 101	Honors Seminar in Great Books and Ideas, Part II	3.0
HONP 102	Honors Seminar in Twentieth Century Civilization, Part I	3.0
HONP 103	Honors Seminar in Twentieth Century Civilization, Part II	3.0

Sophomore Year:

HONP 210	Honors Seminar in Science I	4.0
HONP 211	Honors Seminar in Science II	3.0

Note: Students with required science courses in their majors may waive one or both of the Honors Seminars in Science

Honors Electives

Select two; students waiving one or both Science courses choose respectively 3 or 4 electives:

HONP 104	Honors Seminar in Fractals and Infinity	3.0
HONP 112	Honors Seminar in Computing	3.0
HONP 201	Honors Seminar in Creative Process	3.0
HONP 202	Honors Seminar in Social Analysis	3.0
HONP 301	Honors Seminar in Ways of Knowing	3.0
HONP 302	Honors Seminar in Research Methods	3.0

Courses of Instruction

HONP 100

HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART I 3.0
Focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. Meets the General Education Requirement - Communication, Writing, Reading.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 101

HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART II 3.0
Continues to focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. Meets the General Education Requirement - Communication, Writing, Reading.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 102

HONORS SEMINAR IN 20TH CENTURY CIVILIZATION, PART I 3.0

Focus on important political, economic, and technological events of the twentieth century, and their implications for the individual and the society. Meets the General Education Requirement - Contemporary Issues.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 103
HONORS SEMINAR IN 20TH CENTURY
CIVILIZATION, PART II 3.0
Continues to focus on important political, economic, and technological events of the twentieth century, and their implications for the individual and the society. Meets the General Education Requirement - Social Science, Topic Course.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 104
FRACTALS AND INFINITY 3.0
A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Meets the General Education Requirement - MATHEMATICS, Mathematics. Cross listed with Mathematical Sciences, MATH 104.
Prerequisite: Satisfactory completion of the mathematics portion of the New Jersey College Basic Skills Placement Test (NJCBSPT).

HONP 112
HONORS SEMINAR IN COMPUTING 3.0
Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word-processing, spreadsheets, data bases, and communications. Cross listed with Mathematical Sciences, CMPT 112. Meets the General Education Requirement- Mathematics, Computer Science.
Prerequisite: Permission of the Director of the Honors Program.

HONP 201
HONORS SEMINAR IN THE FOUNDATIONS OF THE CREATIVE
PROCESS 3.0
This course is designed for second-year honors program students. It makes no assumptions that they have a background in the creative arts. This course will acquaint them with the language and process of the creative arts from both an historical and contemporary perspective. Meets the General Education Requirement - Fine and Performing Arts: Art Appreciation.
Prerequisite: For Honors Programs students only or by permission of instructor.

HONP 202
HONORS SEMINAR ON SOCIAL ANALYSIS 3.0
Comparison of various social sciences in terms of theory, methodology and forms or analysis. A particular topic will be focused upon each semester. Meets the General Education Requirement - Social Science, Survey Course.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 210
HONORS SEMINAR IN SCIENCE I 4.0
Interdisciplinary course in the natural and physical sciences consisting of seminars and laboratory experience. This is the first of a two-semester requirement for honors program students. Enrollment will be limited to MSU Honors Program students. Meets the General Education Requirement - Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: For Honors Program students only or permission of instructor.

HONP 211
HONORS SEMINAR IN SCIENCE II 3.0
Interdisciplinary course in the natural and physical sciences consisting of seminars. This is the second of a two-semester requirement for honors program students. Enrollment will be limited to MSU Honors Program students. Meets the General Education Requirement - Natural/Physical Science, Non-laboratory Science only.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 301
HONORS SEMINAR ON WAYS OF KNOWING 3.0
An interdisciplinary perspective on the nature of knowledge, including philosophical definitions of knowledge, the historical interaction of science with philosophical views of knowledge, the social context of knowledge, and the influence of values on the nature and development of knowledge.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 302
HONORS SEMINAR ON METHODS OF SCHOLARSHIP AND
RESEARCH 3.0
The course will aim to familiarize students with the methods used in contemporary research in the humanities and the natural and social sciences. There are two goals which may provide a tension to the course: preparing students to embark on a major research project in their own discipline and making them sensitive to the issues in doing scholarship in other disciplines.
Prerequisite: For Honors Program students only or by permission of instructor.

New Jersey School of Conservation

COLLEGE OF SCIENCE AND MATHEMATICS

Director: John J. Kirk

The New Jersey School of Conservation is one of the largest university operated environmental education centers in the world and is operated for the State of New Jersey by Montclair State through the College of Science and Mathematics. The 240-acre facility is located in Stokes State Forest.

Through its varied programs, the School of Conservation aims to develop in students an understanding of the environmental problems that threaten life on the planet and to review the possible solutions to these problems.

The School's activities and facilities are designed to handle both short- and long-term learning experiences. These range from two-and one-half-, four-, or five-day programs for 10,000 elementary and secondary school students to graduate courses for over 300 students of the state colleges, private colleges, and Rutgers, The State University. In addition, since the School is operationally a part of Montclair State, an increasing number of the Montclair's curriculum planners are looking toward creating or modifying courses to be offered for Montclair State credit through the School. The School of Conservation also conducts workshops, which earn Montclair State graduate/undergraduate credit, for elementary and secondary school teachers and for adults interested in the teaching and learning of environmental concerns. The faculty of the School have organized and developed one day workshops for classroom teachers.

Courses of Instruction

CNFS 460

PRACTICUM IN ENVIRONMENTAL EDUCATION 3.0

This course is designed to provide future teachers and supervisors with a background of experience and knowledge which will enable them to organize and conduct environmental education programs. Using an extensive library of environmental education materials, students formulate teaching units, lists of teaching aids, and projects suitable for use in environmental programs. Participating in environmental programs with school children in residence at the School of Conservation furnishes a practical background for environmental education development.

CNFS 495

WORKSHOP ON UTILIZING NATURAL ENVIRONMENTS 1.0

To provide classroom teachers in all disciplines with experiences in using the natural environment to supplement classroom experiences. Opportunity for teachers to increase their knowledge of as well as skills in the techniques of incorporating the physical, biological, and socio-cultural components of the environment in their curricula will be emphasized through the use of small group lecture sessions held in the natural environment being described. Students are provided with the opportunity of administering and experimenting in each of four such environments out of a choice ranging from 15 to 20 specific subject areas.

CNFS 496

FIELD STUDY IN HUMANITIES AND NATURAL SCIENCE 1.0

Provides teachers in varied and diversified subject areas with an understanding of how the humanities and sciences may be taught in natural environments for the purpose of developing an environmental sensitivity.

CNFS 497

FIELD STUDIES IN SOCIAL STUDIES AND OUTDOOR RECREATION 1.0

Provides an understanding of how outdoor pursuits and social studies may be taught using natural environments to develop environmental sensitivity. Does not meet resident requirement.

Special Education

Although there is no department of Special Education at Montclair State, there are several undergraduate and a number of graduate programs which offer preparation for a variety of special education professions. Programs are in the College of Education and Human Services, College of Humanities and Social Sciences, and School of the Arts. The Psychoeducational Center, which is located on campus, provides practical clinical experiences for students in these various programs.

Information about the following programs may be found in this catalog: Communication Sciences and Disorders, Music Therapy, Reading, Therapeutic Recreation.

Teacher Education Program

CENTER OF PEDAGOGY

Director, Center of Pedagogy: Cynthia Onore

Certification Officer: Cynthia Onore

Montclair State's Teacher Education Program includes a number of distinctive features, including a network of partner schools which provide urban and suburban settings for students to complete their field experiences and a programmatic emphasis on teaching for critical thinking. Professional development schools have been created from within the New Jersey Network for Educational Renewal. The Teacher Education Program was awarded the Christa McAuliffe Showcase for Excellence award by the American Association of State Colleges and Universities for its collaboration with public schools and is one of the programs selected from across the nation to become a member of The Center for Educational Renewal at the University of Washington, as well as The National Network for Educational Renewal founded by John Goodlad. The Program is also affiliated with the National Education Association's Teacher Education Initiative Program. The program at MSU is also a member of the nationally recognized Holmes Partnership, a consortium of universities dedicated to the improvement of public schools and teacher education. The commitment of the faculty in the Teacher Education Program is to the enculturation of students into a political and social democracy, the moral dimensions of teaching, as well as competence and knowledge both in pedagogy and the content to be taught. The program is considered a national model for other colleges and universities.

The Teacher Education Program at Montclair State reflects a balance between a liberal education and professional preparation. The program which is coordinated by the Director of the Center of Pedagogy, combines general education, subject-matter (major) specialization and professional training. The professional component addresses four broad areas: the curriculum, student development and learning, the classroom and the school, and effective teaching skills. Special emphasis is placed upon the research findings related to effective teaching. All Teacher Education candidates must complete a field experience in an urban school as part of the program. The specific objectives of the program are described in the *Teacher Education Handbook*, which may be obtained in the Center of Pedagogy. The requirements for teacher certification are subject to changes in state regulations and college policy. Such changes will be publicized; however, students must regularly consult with departmental advisors and the most current edition of the Teacher Education Handbook to stay aware of recent developments.

The Teacher Education Program provides a sequence of professional courses and field experiences leading to teacher certification upon passing the required standardized test assessment (Praxis Series), while the student majors in a particular field of interest. Field experiences are collaboratively coordinated by Montclair State and the specially designated partner schools. The graduate is recommended for certification to teach in all New Jersey public schools and is legally qualified to apply for certification in other member states of the Interstate Certification Compact.

A. General Education

Students interested in teacher certification complete the same general education program as other students at Montclair State. It should be noted, however, that certain courses meet both general education *and* teacher education requirements. These are noted in the section on the professional sequence below, and are recommended if you wish to complete your program with the minimum number of semester hours.

B. Special Requirements

Students who intend to prepare for teaching should fulfill the following special requirements prior to formal admission to the certification program:

Human and Intercultural Relations Requirement

This requirement focuses on social interaction, intergroup relations, and the cultural contributions of minority groups in the society. A course must be selected from the following list. All of these courses also fulfill the Multicultural Awareness Requirement. Certain courses listed below may simultaneously be used to meet General Education Requirements, *if they are included in the General Education Requirement Appendix of Courses.*

Anthropology

ANTH 110 Anthropology of Multicultural America

ANTH 210 Urban Anthropology

Curriculum and Teaching

CURR 423 Teaching in Urban Schools

Earth and Environmental Studies

EUGS 313 Urban Geography

Economics

ECON 215 The Economics of Social Problems

Educational Foundations

EDFD 445 Puerto Rican Children in Mainland Schools

English

ENGL 238 Black Writers in the United States: A Survey

History

HIST 217 History of Black Americans

Human Ecology

HEFM 445 The Inner City Family

Management

MGMT 332 Minorities in Business

Political Science

POLS 308 Ethnic Politics in America

POLS 312 Black Politics in America

Psychology

PSYC 246 Psychology of the Black Experience

Reading and Educational Media

MEDI 355 Media in Intercultural Communication

Sociology

SOCI 202 Racial and Ethnic Relations

SOCI 205 Black Family

SOCI 311 Urban Sociology

Spanish/Italian

SPAN 360 Hispanic Community Program

Examination in Physiology and Hygiene—This requirement may be satisfied by presenting college study in such areas as biology, personal health problems, community health, school health, family health, health counseling, nutrition or health administration or by taking an examination administered by the State Department of Education. A list of courses which satisfy this requirement is on the bulletin board outside Chapin 103.

C. Admission to Teacher Education

All students who intend to prepare for teaching must make formal application for admission to the teacher preparation program. It is recommended that students apply at the beginning of the second semester of the sophomore year. Application forms may be obtained by interested students from the Teacher Education Admission Office, Room I03, Chapin Hall. The application will be screened by a faculty committee, interviews conducted, and only those applicants who meet the admission criteria will be accepted.

It is important that a student make the decision to apply for admission to the program (admission to the university, or to a major, is not admission to the Teacher Education Program) as soon as possible. If application is made later than the end of the sophomore year, there may be some difficulty in completing the professional sequence in four years.

The criteria for admission are:

1. Cumulative overall average of at least 2.50 and a cumulative average of 2.50 with no failing grades in the major or in courses in the professional sequence. (Some departments require a higher major average. Consult your advisor for information.) In addition, applicants must have satisfied University "Basic Skills" requirements.
2. Successful completion of prerequisite courses: PSYC 101 *General Psychology*, SPCM 101 *Fundamentals of Speech*; CURR 200 *Initial Field Experience*; PSYC 200 *Educational Psychology*; plus 9-12 semester hours of major courses.
3. Three recommendations, at least two from faculty members who know the applicant. One may be a former high school teacher who knows the applicant.

4. Two writing samples, one of which is impromptu.
5. Evidence of active interest in community affairs and teaching.
6. A successful interview by a screening committee with representatives from the College of Education and Human Services and the student's teaching field or major. The interviewers' assessment of the candidate will be made using the "Portrait of a Teacher" as a guide (see below).

When a student is notified of admission to the program, advisors from the professional-education sequence and the major will be assigned who will help the student plan the sequence properly. Further information regarding the process of admission to teacher education can be secured from the Teacher Education Admissions Office, Chapin Hall 103.

D. Retention in Good Standing in Teacher Education

Upon admission to the Program, student performance is reviewed periodically prior to, and after student teaching, measured against the goals of the Portrait of a Teacher. For specific criteria for retention in the Program, see the most current edition of the Teacher Education Handbook. **These criteria include the requirement that students have an overall cumulative grad point average of 2.75 before they can be recommended for certification.**

E. Portrait of a Teacher

In selecting students for the Teacher Education Program, Montclair State University uses criteria which are related to the kinds of knowledge, abilities, dispositions and character we expect graduates of our Program to possess. The "Portrait of a Teacher" outlined below is a model toward which students in the Program strive. In making decisions on acceptance to the Program, faculty consider such criteria as GPA, knowledge of content of major area of study, commitment to teaching and its varied responsibilities and communication abilities, both written and oral. These criteria enable faculty to assess the likelihood that candidates will achieve the goals inherent in the "Portrait of a Teacher."

The Montclair State University community is committed to the continuing development of teachers who exemplify the character, dispositions and habits of mind reflected in this portrait. They:

- a. continue to inquire into the nature of teaching and learning and reflect upon their own professional practice.
- b. believe in the educability of all children and seek to ensure equal learning opportunities for every student.
- c. possess the literacy, critical thinking and technology abilities associated with the concept of an educated person and are committed to lifelong learning. They speak and write English fluently and communicate clearly.
- d. have content knowledge which includes a strong sense of the concepts, purposes and intellectual processes associated with the discipline they will teach.
- e. understand the effects of human development on the learning of children, adolescents and adults and are committed to providing a nurturing and caring environment for all students.
- f. possess the skills and dispositions necessary to establish a classroom environment that stimulates critical thinking and inquiry.
- g. understand principles of democracy and plan instruction to promote critical reflection on the ideals, values and practices of democratic citizenship.
- h. understand and are committed to the moral, ethical and enculturating responsibilities of those who work in the school.
- i. model respect for individual differences and an appreciation of the basic worth of each individual. They plan instruction and assessment with sensitivity to issues of class, gender, race, ethnicity, sexual orientation, age and special needs, and work to foster an appreciation of diversity among students and co-workers.
- j. are committed to their role as stewards of renewal and best practice in the schools and they possess the interpersonal skills and dispositions to work cooperatively and collaboratively with colleagues.
- k. are willing to explore a career in a variety of settings—urban, suburban and rural.

F. Professional Sequence for Teacher Certification

Five semesters including the semester of acceptance are required to complete the professional sequence. This is the general pattern for teacher certification programs. Some require additional methods courses. You are encouraged to consult a departmental advisor early in your program.

FRESHMAN YEAR

- PSYC 101 General Psychology I:
Growth and Development 3 Semester Hours
(MEETS GENERAL EDUCATION REQUIREMENT FOR ..
SOCIAL SCIENCE COURSE)

SOPHOMORE YEAR

- CURR 200 Initial Field Experience 1 Semester Hour
- PSYC 200 Educational Psychology 3 Semester Hours
(MEETS GENERAL EDUCATION REQUIREMENT FOR ..
SOCIAL SCIENCE COURSE)

(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)

JUNIOR OR SENIOR YEAR

The following courses should be taken after admission to the Program and before the Professional Semester:

- EDFD 220 Philosophical Orientation to Education 3 Semester Hours
(MEETS GENERAL EDUCATION REQUIREMENT FOR ..
PHILOSOPHY COURSE)
- CURR 400 Teacher, School and Society 3 Semester Hours
- A course in teaching reading (consult advisor) 3 Semester Hours
- CURR 409 Teaching for Critical Thinking
OR
EDFD 409 Teaching for Critical Thinking
OR
READ 409 Teaching for Critical Thinking 3 Semester Hours
- Departmental Methods Course 3-4 Semester Hours
- CURR 410 Intermediate Field
Experience in Education 1 Semester Hour
(Generally taken the semester before student teaching.)

SENIOR YEAR

- Professional Semester Package
including student teaching 12-13 Semester Hours
- CURR 435 Effective Teaching/Productive
Learning 3 Semester Hours
- CURR 402 Seminar in Professional Education 1 Semester Hour
- Departmental Seminar (if required) 1 Semester Hour
- CURR 411 Supervised Student Teaching 8 Semester Hours

Note: You are urged to consult frequently with a departmental advisor, the Center of Pedagogy or the Department of Curriculum and Teaching.

G. New Jersey Teacher Test Requirement

The New Jersey State Board of Education requires candidates for instructional certificates to take sections of The Praxis II series of tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in Room 103, Chapin Hall.

Graduate and Special Programs

1. Certification Program (Post-Baccalaureate)—A program leading to a New Jersey teaching certificate for holders of a bachelor's degree who do not wish to enter a graduate degree program.
2. Master of Arts in Teaching—Designed for liberal arts graduates who seek certification as teachers.
3. The Master of Education degree—Designed for the teacher who wishes to upgrade classroom knowledge and skills.

NOTE: Consult the graduate catalog for information.



APPENDIX OF SCHOLARSHIPS AND AWARDS

Accounting, Law and Taxation

ACCOUNTING SCHOLARSHIP

Amount: Varies

Criteria: Junior or senior accounting majors with high academic achievement and financial need.

Contact: Chairperson, Accounting, Law and Taxation

KATHE BRODT MEMORIAL SCHOLARSHIP

Amount: \$500

Criteria: Concentration in accounting, 90 credits completed toward the baccalaureate degree, registered for full-time study (at least 12 semester hours each term during the year of grant), academic achievement and financial need.

Contact: Chairperson, Accounting, Law and Taxation

GARY L. PALUMBO SCHOLARSHIP

Amount: \$600

Criteria: Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.

Contact: Dean, School of Business

African-American Studies

AFRICAN-AMERICAN STUDIES SCHOLARSHIP

Amount: Varies

Criteria: Students minoring in African-American Studies.

Contact: Director, African-American Studies

Biology and Molecular Biology

CHARLES HADLEY MEMORIAL FUND FOR INDEPENDENT STUDENT RESEARCH

Amount: Up to \$275

Criteria: Students who have displayed excellence of work and need for financial assistance to complete their research and independent student projects in biology.

Contact: Chairperson, Biology and Molecular Biology

JACOB GOODMAN SCHOLARSHIP

Amount: Varies

Criteria: Matriculated, full-time student enrolled in the Biology and Molecular Biology Department. Based on academic achievement. Recipient must have at least 90 credits towards an undergraduate degree.

Contact: Chairperson, Biology and Molecular Biology

VIOLA WHITNEY PFLEGER FUND

Amount: \$500

Criteria: Students of horticulture recommended by chairperson of Biology and Molecular Biology or designee.

Contact: Chairperson, Biology and Molecular Biology

DR. AL STEIN MEMORIAL AWARD

Amount: Varies

Criteria: Full-time students majoring in a program within the Biology and Molecular Biology Department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.

Contact: Chairperson, Biology and Molecular Biology

Broadcasting

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies

Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Speech Communication, Theatre and Dance, minimum GPA of 3.0 in major courses.

Contact: Chairperson, Broadcasting

MARY LOZADA SCHOLARSHIP

Amount: \$500

Criteria: Recipient must be full-time undergraduate Broadcasting major at MSU accepted to a University sponsored study abroad program and is enrolled in at least one broadcasting course. Must be in good academic standing and have completed at least two semesters of study at MSU.

Contact: Chairperson, Broadcasting

JOHN D. SHARKEY SCHOLARSHIP

Amount: Varies

Criteria: Full-time junior or senior broadcasting major with a minimum cumulative GPA of 3.2.

Contact: Chairperson, Broadcasting

Business Administration

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER AUNT, ANA PEINS MILLER

Amount: Varies

Criteria: Female undergraduate matriculating within the School of Business whose educational goal is to prepare for a career in the business world. Must demonstrate favorable academic achievement, participation in campus and/or community activities, exhibits personal growth and potential for professional success.

Contact: Dean, School of Business

RAFFAELA BASILE MEMORIAL SCHOLARSHIP

Amount: Up to \$500

Criteria: Upcoming junior or senior in the School of Business, service to Montclair State, favorable academic standing, and financial need.

Contact: Dean, School of Business

MICHAEL AND GERTRUDE HANCOUSKI FUND

Amount: Varies

Criteria: Full-time undergraduates matriculating within the School of Business.

Contact: Dean, School of Business

THE LARAJA FOUNDATION SCHOLARSHIP

Amount: Full tuition and fees

Criteria: Full-time undergraduates majoring in one of the fields of business offered through the School of Business.

Contact: Dean, School of Business

JAMES McGOVERN SCHOLARSHIP

Amount: \$250

Criteria: Full-time student who will be enrolled as a senior year student in the following fall semester, majoring in a program offered through the School of Business.

Contact: Dean, School of Business

NORTH JERSEY REGIONAL DEVELOPMENT COUNCIL AWARD

Amount: Two-\$500 awards

Criteria: Incoming or currently enrolled students in an undergraduate program taking business courses which will help them in the world of business. Students must show need of financial assistance and be residents of Passaic County.

Contact: Dean, School of Business

GARY L. PALUMBO SCHOLARSHIP

Amount: \$600

Criteria: Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.

Contact: Dean, School of Business

SOVEREL BOOK AWARD

Amount: \$200

Criteria: Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.

Contact: Dean, School of Business

TWIN MANAGEMENT FORUM SCHOLARSHIP

Amount: \$1,000

Criteria: Female undergraduate with minimum 3.0 cumulative GPA whose educational goal is to prepare for a career in business or industry. Applicants must complete NJ Financial Aid Form.

Contact: Dean, School of Business

Chemistry and Biochemistry

THE GAWLEY/BECKER SCIENCE EDUCATION AWARD

Amount: Varies

Criteria: Final semester student must complete comprehensive science requirements to be determined by Chemistry and Biochemistry department chair and faculty.

Contact: Chairperson, Chemistry and Biochemistry

RALPH R. MIANO SCHOLARSHIP

Amount: \$1,000

Criteria: Full time undergraduate majoring in chemistry, enrolled in a program which will qualify the student for NJ teacher certification, who will achieve senior standing in the Fall semester in which the scholarship is awarded.

Contact: Chairperson, Chemistry and Biochemistry

NANCY SANDELIN PAISLEY AWARD

Amount: \$100

Criteria: Undergraduate in the Foods and Nutrition Program who has completed both Fundamentals of Biochemistry and has high overall academic achievement, good character and potential to contribute to profession.

Contact: Chairperson, Chemistry and Biochemistry or Human Ecology

GEORGE PLACEK AWARD

Amount: Varies

Criteria: Most outstanding sophomore scholar in Chemistry classes.

Contact: Chairperson, Chemistry and Biochemistry

MARGARET AND HERMAN SOKOL FRESHMAN CHEMISTRY SCHOLARSHIP

Amount: \$1,000

Criteria: Incoming freshmen chemistry majors recommended by their high school principals and/or high school chemistry teachers.

Contact: Chairperson, Chemistry and Biochemistry

SOKOL GRADUATE FELLOWSHIP IN CHEMISTRY

Amount: \$10,000

Criteria: Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must exhibit academic excellence and potential for success in doctoral studies and research.

Contact: Chairperson, Chemistry and Biochemistry

Child Care

JEAN M. ARMSTRONG SCHOLARSHIP

Amount: Varies

Criteria: Matriculated students or employees of Montclair State who have children enrolled in the Montclair State Child Care Center.

Contact: Director, MSU Child Care Center

PARENT/CHILD SCHOLARSHIP

Amount: Varies

Criteria: Matriculated students who have children enrolled in the MSU Child Care Center, volunteer at the center and demonstrate financial need.

Contact: Director, MSU Child Care Center

Classics and General Humanities

DORIS KIBBE SCHOLARSHIP

Amount: Varies

Criteria: Student pursuing work in Latin or the Classics, minimum GPA of 3.0

Contact: Chairperson, Classics and General Humanities

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS

Amount: Varies

Criteria: Full-time, undergraduate junior or senior classics major with a minor in Latin. A minimum grade point average of 3.2 with a grade point average of 3.5 in at least two Latin courses who does not qualify for financial aid.

Contact: Chairperson, Classics and General Humanities

College of Education and Human Services

THE J. THOMAS FLAGG OUTSTANDING STUDENT TEACHERS AWARD

Amount: \$100

Criteria: Senior completing student teaching and nominated by faculty member.

Contact: Dean, College of Education and Human Services

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: Varies

Criteria: Matriculated graduate student currently teaching or preparing to teach who is enrolled in the M.Ed. or MAT degree program at MSU.

Contact: Dean, College of Education and Human Services

TEACHERS CLUB OF MONTCLAIR AWARD FOR SCHOLARSHIP

Amount: Varies

Criteria: Junior admitted to the Teacher Education Program.

Contact: Dean, College of Education and Human Services

College of Humanities and Social Sciences

JANET HOLT SCHOLARSHIP

Amount: \$1,000

Criteria: Full-time undergraduate majoring in a field of study within the College of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.

Contact: Chairperson, Philosophy and Religion

College of Science and Mathematics

SOKOL GRADUATE TRAVEL AWARD

Amount: \$5,000 (\$2,500 per semester)

Criteria: Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.

Contact: Dean, College of Science and Mathematics

Communication Sciences and Disorders

MARYANN PEINS SCHOLARSHIP

Amount: Varies

Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.

Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP

Amount: \$250

Criteria: Graduate student matriculating in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in respective major. Must demonstrate the potential for making an outstanding contribution in the field of language and learning.

Contact: Chairperson, Communication Sciences and Disorders

Community Service

GEORGE G. KING MEMORIAL AWARD

Amount: \$100

Criteria: Outstanding contribution in community service, i.e., through community agencies.

Contact: Dean, College of Education and Human Services

Cooperative Education

PRUDENTIAL CO-OP SCHOLARSHIP

Amount: \$500

Criteria: Cooperative Education students who exhibit exceptional professional and personal growth. Nomination, essay and interview required.

Contact: Director, Cooperative Education

Economics and Finance

ARYEH BLUMBERG AWARD

Amount: \$100

Criteria: Finance major who wins the Wall Street Journal Award for the best academic performance in finance.

Contact: Chairperson, Economics and Finance

J. S. GANG SCHOLARSHIP

Amount: Varies
Criteria: Outstanding economics or political science students who will remain at Montclair State for upper division work. Must show high academic achievement and financial need.
Contact: Chairperson, Economics and Finance

HONIG TEXTBOOK SCHOLARSHIP

Amount: Varies
Criteria: Outstanding students enrolled in the Department of Economics and Finance.
Contact: Chairperson, Economics and Finance

English

MARY BONDON SCHOLARSHIP AWARD

Amount: \$1,000
Criteria: Graduate student pursuing a teaching career in English Literature.
Contact: Chairperson, English

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP

Amount: Varies
Criteria: Graduate student pursuing an American literature or creative writing degree. Selection based on value of thesis proposal and financial need.
Contact: Chairperson, English

W. BERNARD FLEISCHMAN MEMORIAL FUND

Amount: \$100
Criteria: Undergraduate majoring in English who demonstrates excellence in the humanities.
Contact: Chairperson, English

ANTHONY L. LOVASCO MEMORIAL FUND

Amount: \$100
Criteria: Outstanding students in the field of Shakespearean studies.
Contact: Chairperson, English

MOE McGEE SCHOLARSHIP

Amount: Full tuition and fees for two semesters
Criteria: Full-time undergraduate English majors with a minimum cumulative GPA of 3.0
Contact: Chairperson, English

BESSIE SASLAW SOLOMON MEMORIAL SCHOLARSHIP

Amount: \$300
Criteria: English major who demonstrates a commitment to scholarship and community service with particular consideration given to students interested in teaching.
Contact: Chairperson, English

MIRIAM R. TAUB ENGLISH SCHOLARSHIP

Amount: \$2,000
Criteria: Full-time undergraduate women students majoring in English with a 3.25 cumulative GPA.
Contact: Chairperson, English

Film Studies

TOMLINSON/MERANZE FILM STUDIES AWARD

Amount: \$100
Criteria: Graduating student minoring in film who has the highest GPA in film courses.
Contact: Chairperson, English and Director, Film Studies

Fine Arts

ANNE CHAPMAN SCHOLARSHIP

Amount: Varies
Criteria: Full-time students majoring in fine arts. Minimum GPA of 3.0; financial need will be considered.
Contact: Chairperson, Fine Arts

French

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY

Amount: \$1,000
Criteria: Students who possess financial need and demonstrate merit.
Contact: Chairperson, French

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP

Amount: 28,000 Austrian Schillings (about \$1,700), plus room, health insurance and 20-day pass on Austrian National Railway.
Criteria: Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.
Contact: Chairperson, French. Apply during early spring semester.

Geography

BERTRAND BOUCHIER SCHOLARSHIP FUND

Amount: Varies
Criteria: Student majoring in environmental, urban and geographic studies.
Contact: Chairperson, Earth and Environmental Studies

MILSTEAD AWARD FOR EXCELLENCE IN GEOGRAPHY

Amount: Approximately \$150
Criteria: Junior majoring in environmental, urban and geographic studies who is in high academic standing and shows promise as a professional geographer.
Contact: Chairperson, Earth and Environmental Studies

Graduate Studies

DR. HARRY BALFE II SENIOR AWARD

Amount: Varies
Criteria: Graduating senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.
Contact: Chairperson, Legal Studies

HAROLD C. BOHN FELLOWSHIP

Amount: Varies
Criteria: Senior who shows promise in any academic discipline and presents a bonafide plan for graduate study.
Contact: Dean of Students

MARY BONDON SCHOLARSHIP AWARD

Amount: \$1,000
Criteria: Qualified English graduate student pursuing a teaching career in English literature.
Contact: Chairperson, English

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP

Amount: Varies
Criteria: Montclair State graduate pursuing a graduate degree in American literature or creative writing at the institution. Selection based on value of thesis proposal and financial need.
Contact: Chairperson, English

WILLIAM P. DIOGUARDI FELLOWSHIP

Amount: Varies
Criteria: Graduating senior with a minimum cumulative GPA of 2.8 who has competed in intercollegiate athletics as a member of a varsity team and has been accepted into a post-baccalaureate degree program.
Contact: Director of Athletics

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY

Amount: \$1,000
Criteria: Students who show financial need and demonstrate merit.
Contact: Chairperson, French

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies
Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Speech Communication, Dance and Theatre, minimum GPA of 3.0 in major courses.
Contact: Chairperson, Broadcasting, Speech Communication, or Theatre and Dance

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: Varies
Criteria: Matriculated graduate student currently teaching or preparing to teach who is enrolled in the M.Ed. or MAT degree program at MSU.
Contact: Dean, College of Education and Human Services

DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN THEATRE

Amount: \$100
Criteria: Theatre graduate or a junior or senior with a minimum GPA of 3.0 in theatre courses. Must exhibit performance quality, professional potential and evidence of continued development.
Contact: Chairperson, Theatre and Dance

DAVID OTT FELLOWSHIP

Amount: A total of \$4,000 awarded at the rate of \$1,000 per semester
Criteria: Incoming fully matriculated graduate student enrolled in the Music Therapy Program. Recipient must remain a matriculated student in good standing.
Contact: Coordinator, Music Therapy Program

PHI DELTA KAPPA SCHOLARSHIP

Amount: Varies. Usually two awards covering cost of one graduate course.

Criteria: Matriculated student in education master's degree program.

Contact: Dean, College of Education and Human Services

SIMONE PICARD ASSISTANCE FUND

Amount: Varies

Criteria: Student enrolled in a graduate or post-baccalaureate program at Montclair State. Preference given to applicants preparing for careers in teaching or related educational area. Partial assistance may be granted to baccalaureate degree students who have completed at least 60 semester hours of work (24 semester hours must be completed at Montclair State.)

Contact: Administrator, MSU Foundation

MARYANN PEINS SCHOLARSHIP

Amount: Varies

Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.

Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP

Amount: \$250

Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.

Contact: Chairperson, Communication Sciences and Disorders

MAX A. SOBEL FELLOWSHIP

Amount: Amount and frequency varies

Criteria: Graduate student in mathematics education nominated by mathematics education faculty

Contact: Chairperson, Mathematical Sciences

SOKOL GRADUATE FELLOWSHIP IN CHEMISTRY

Amount: \$10,000

Criteria: Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must show academic excellence and potential for success in doctoral studies and research.

Contact: Chairperson, Chemistry and Biochemistry

SOKOL GRADUATE TRAVEL AWARD

Amount: \$5,000 (\$2,500 per semester)

Criteria: Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.

Contact: Dean, College of Science and Mathematics

SOVEREL BOOK AWARD

Amount: \$200

Criteria: Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.

Contact: Dean, School of Business

DR. AL STEIN MEMORIAL AWARD

Amount: Varies

Criteria: Full-time students majoring in a program offered in the Biology and Molecular Biology department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.

Contact: Chairperson, Biology and Molecular Biology

ALBERT WANG THESIS SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated graduate students who meet all of the requirements for enrollment in the thesis course appropriate for their graduate programs. Award is based on academic achievement for graduate study and ability to conduct scholarly research to complete the thesis.

Contact: Dean, Graduate Studies

THE ERCELL I. WATSON MEMORIAL FUND

Amount: \$100

Criteria: Educator who is matriculated in or a graduate of a master's degree program in the College of Education and Human Services.

Contact: Dean, College of Education and Human Services

Health Professions**PANZER TRUST INCENTIVE SCHOLARSHIP**

Amount: \$200

Criteria: Health major who has been accepted for graduate work at a college or university.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOHN G. REDD SCHOLARSHIP

Amount: \$300

Criteria: Full-time undergraduate majoring in health.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

History**JULIAN J. JAFFE MEMORIAL AWARD**

Amount: \$75-\$100

Criteria: Undergraduate student who has shown distinction in the study of history and shows a concern for the truth about the past.

Contact: Chairperson, History

WILLIAM McLEAN SCHOLARSHIP

Amount: \$500 (junior or senior year)

Criteria: Outstanding junior history major who has shown an appreciation for the comprehensiveness of historical study and the interrelatedness of history, the social sciences and the humanities. Minimum GPA of 3.0 in history and a minimum cumulative GPA of 2.67.

Contact: Chairperson, History

GARY RICHARD TAMIRIAN MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Outstanding junior or senior majoring in history or political science with a minimum cumulative GPA of 3.5. Must offer examples of community service and commitment to humanitarian endeavors.

Contact: Chairperson, History or Political Science

Honors Program**ADP HONORS SCHOLARSHIP**

Amount: \$1,250

Criteria: Full-time undergraduate students enrolled in MSU's Honors Program. Recipients must agree to limit themselves to no more than 10 hours a week of outside employment in semesters for which they receive the scholarship.

Contact: Director, Honors Program

MSU FOUNDATION HONORS SCHOLARSHIP

Amount: Varies

Criteria: Full-time students in the Honors Program.

Contact: Director, Honors Program

THE PHYLLIS LeBOFF ENDOWMENT FUND IN HONOR OF HER HUSBAND, GERALD A. LeBOFF

Amount: Varies

Criteria: Talented and gifted students.

Contact: Director, Honors Program

THE VIVIAN AND HEINZ ROSENBUSH MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Full-time juniors or seniors in the Honors Program.

Contact: Director, Honors Program

MARY A. WHALEY MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Gifted, incoming freshmen with middle income backgrounds who do not qualify for financial aid.

Contact: Director, Honors Program

WILKINS HONORS SCHOLARSHIP

Amount: Varies

Criteria: Students in the Honors Program, especially those interested in the sciences.

Contact: Director, Honors Program

Human Ecology

FASHION STUDIES AWARD

Amount: \$100

Criteria: Fashion Studies major; high academic standing; participation in college and/or community activities; professional potential.

Contact: Chairperson, Human Ecology

FOOD SCIENCE AWARD

Amount: \$200

Criteria: Food Technology major with minimum cumulative GPA of 3.0 and professional potential.

Contact: Chairperson, Human Ecology

LOIS J. GUTHRIE SCHOLARSHIP

Amount: Varies

Criteria: Full-time junior home economics major with minimum cumulative GPA of 3.0. Must have made voluntary contributions of time and energy to a community agency serving families or consumers. Active involvement in American Association of Family and Consumer Sciences (AAFCS), MSU chapter.

Contact: Chairperson, Human Ecology

KATHERINE B. HALL SCHOLARSHIP

Amount: Varies

Criteria: Full-time senior home economics major with a minimum cumulative GPA of 3.0. Must be a member and active participant in the activities of the AAFCS, MSU chapter.

Contact: Chairperson, Human Ecology

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER GRANDMOTHER, ANA ESEMANN PEINS

Amount: Varies

Criteria: Full-time female undergraduate Human Ecology major enrolled in the Food and Nutrition concentration. Must demonstrate good academic standing, participation in campus and/or community activities, exhibits personal growth and potential for professional success.

Contact: Dean, Human Ecology

NANCY SANDELIN PAISLEY AWARD

Amount: \$100

Criteria: Undergraduate in the Foods and Nutrition Program who has completed both Fundamentals of Biochemistry and has high overall academic achievement, good character and potential to contribute to profession.

Contact: Chairperson, Chemistry and Biochemistry or Human Ecology

Journalism

HARRY FRIEDLANDER JOURNALISM AWARD

Amount: Two-\$100 awards

Criteria: Students who show outstanding performance in the study or practice of journalism.

Contact: Coordinator, Journalism Program

J. RAYMOND PAUL JOURNALISM AWARD

Amount: \$750

Criteria: Students who have completed nine credit hours toward a declared journalism minor and shown outstanding performance in the study and practice of journalism.

Contact: Coordinator, Journalism Program

Juniors and Seniors

ALUMNI ASSOCIATION SCHOLARSHIP

(Includes the Dortch/Dickson Scholarship)

Amount: \$1,000 (22 scholarships)

Criteria: Service to the campus; good academic standing; juniors and seniors; financial need.

Contact: Alumni House (applications available in January, deadline March 1st for following academic year)

Legal Studies

DR. HARRY BALFE II SENIOR AWARD

Amount: Varies

Criteria: Senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.

Contact: Chairperson, Legal Studies

Management

ATOCHEM NORTH AMERICAN AWARD

Amount: Varies

Criteria: Senior management major who exhibits scholarly performance and leadership potential.

Contact: Chairperson, Management

AUSTIN DRUKKER SCHOLARSHIP

Amount: Varies

Criteria: Students who exhibit acceptable academic performance and contribute significantly to the department, school, university and/or society.

Contact: Chairperson, Management

Mathematical Sciences

MAX A. SOBEL FELLOWSHIP

Amount: Amount and frequency varies.

Criteria: Graduate student in mathematics education nominated by mathematics education faculty.

Contact: Chairperson, Mathematical Sciences

AUDREY VINCENTZ LEEF SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated full-time or part-time undergraduate or graduate students in good academic standing who are enrolled in at least one mathematics course at any level.

Contact: Chairperson, Mathematical Sciences

JOHN C. STONE FUND

Amount: Varies

Criteria: Recommendation of Mathematical Sciences Department faculty with chairperson's approval; mathematics or computer science major.

Contact: Chairperson, Mathematical Sciences

Media

EMANJ GRADUATE STUDY SCHOLARSHIP IN EDUCATIONAL MEDIA

Amount: \$500 (two scholarships)

Criteria: Graduate media student, New Jersey

Contact: Educational Media Association of New Jersey

Ms. Anita Sawczuk
The Old Turnpike School
Califon, NJ 07830
(908) 439-2010

EMMA FANTONE MEDIA GRANT

Amount: Varies (provides for attendance at media conference)

Criteria: Student interested in a career in media.

Contact: Associate Director, Media Center

Merit-Based Scholarships

LARRY DOBY SCHOLARSHIP—NJ NETS

Amount: Varies

Criteria: Academically talented graduate of Montclair or Paterson Eastside high schools.

Contact: Director, Admissions

RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP

Amount: \$500

Criteria: Full-time students who have been accepted in a study abroad program sponsored by the University. Recipients must be in good academic standing at time of application and have completed two semesters of study at MSU.

Contact: Director, International Studies

THE JAMES P. KEENEN III/JOSEPH T. MOORE/ANITA UHIA/CONSTANCE WALLER SCHOLARSHIP ENDOWMENT

Amount: Varies

Criteria: Enrolled full-time students in good academic standing. Sponsored by the American Federation of Teachers Local 1904.

Contact: Administrator, AFT Local 1904

MICHAEL & MARGARET JUDGE MORRIS SCHOLARSHIP

Amount: Varies

Criteria: Incoming freshman who graduated from either Brick or Brick Memorial high schools with the highest SAT score.

Contact: Director, Admissions

DONALD L. MULFORD MEMORIAL SCHOLARSHIP

Amount: *Varies*
 Criteria: *Full-time undergraduates who have graduated from one of the four high schools based in Montclair. Preference given to incoming freshmen.*
 Contact: *Director, Community Relations*

JOHN AND IRMA SHEFFMAN SCHOLARSHIP

Amount: *Varies*
 Criteria: *Full-time, fully matriculated undergraduate students in good academic standing.*
 Contact: *Director, Honors Program*

**HARRY S. TRUMAN SCHOLARSHIP -
GOVERNMENT SERVICE LEADERSHIP DEVELOPMENT**

Amount: *Varies (maximum \$5,000 a year for up to 4 years)*
 Criteria: *A merit-based scholarship awarded at the end of sophomore year to a student anticipating government service.*
 Contact: *Director, Honors Program*

Music**MARDEN BATE SCHOLARSHIP**

Amount: *Varies*
 Criteria: *Gifted voice students enrolled in MSU's Music Department*
 Contact: *Chair, Music*

**FRANK AND LYDIA BERGEN SCHOLARSHIP HONORING JEAN
HOOPER**

Amount: *\$5,000*
 Criteria: *Talented music students with financial need pursuing careers in music.*
 Contact: *Chairperson, Music*

LARRY A. FRANK MUSIC SCHOLARSHIP

Amount: *Varies*
 Criteria: *Music student who shows promise as a music educator, performer, therapist, composer, theorist or historian.*
 Contact: *Chairperson, Music*

ANNA LAURA HANSEN-GRIFFITH PIANO SCHOLARSHIP

Amount: *Varies*
 Criteria: *Music student studying piano.*
 Contact: *Chairperson, Music*

JEANNE HENINGBURG SCHOLARSHIP

Amount: *Varies*
 Criteria: *Prospective or currently enrolled African-American student majoring in music, dance or theatre. Cumulative GPA of 3.0 in major.*
 Contact: *Dean, School of the Arts*

HOWE SCHOLARSHIP

Amount: *Varies*
 Criteria: *Music major who shows ability and interest.*
 Contact: *Chairperson, Music*

EDNA McEACHERN MUSIC FUND

Amount: *Varies*
 Criteria: *Music students who demonstrate financial need, musicianship and a contribution to the department.*
 Contact: *Chairperson, Music*

WARD MOORE MEMORIAL MUSIC SCHOLARSHIP FUND

Amount: *\$500*
 Criteria: *Full-time undergraduate student preparing for a career in music (teaching or performing), in good academic standing and has completed at least two semesters at MSU.*
 Contact: *Chairperson, Music*

MORSE ESTATE SCHOLARSHIP FUND

Amount: *Varies*
 Criteria: *Full-time undergraduate majoring in music who shows interest and ability.*
 Contact: *Chairperson, Music*

LUCILE OLIVA MUSIC SCHOLARSHIP

Amount: *\$250*
 Criteria: *Full-time, junior and/or senior students enrolled in Music Department with a cumulative GPA of 3.0 or higher with a significant achievement as a music student and potential success in the field of music.*
 Contact: *Chairperson, Music*

DAVID OTT SCHOLARSHIP

Amount: *\$500*
 Criteria: *Fully matriculated upper level undergraduate and/or post-baccalaureate students enrolled in the Music Therapy Program.*
 Contact: *Coordinator, Music Therapy Program*

**MARYANN PEINS MEMORIAL PIANO SCHOLARSHIP IN
HONOR OF HER FATHER, RUDOLPH M. PEINS**

Amount: *Varies*
 Criteria: *Talented and gifted incoming freshman enrolled as a full-time music major studying piano, who shows promise as a performer, composer, or therapist with potential for professional success.*
 Contact: *Chairperson, Music*

OSCAR RAVINA TALENT GRANT

Amount: *Varies*
 Criteria: *Outstanding, full-time freshmen studying string instruments.*
 Contact: *Professor Oscar Ravina, Music*

CAROL H. WASSERMAN PIANO SCHOLARSHIP

Amount: *Varies*
 Criteria: *Full-time undergraduate piano majors.*
 Contact: *Chairperson, Music*

Philosophy and Religion**GEORGE BRANTL SCHOLARSHIP**

Amount: *\$1,000*
 Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*
 Contact: *Chairperson, Philosophy and Religion*

**MARYANN PEINS MEMORIAL RELIGION SCHOLARSHIP IN
HONOR OF HER GRANDMOTHER, CATHERINE SOHASKI
HANKO**

Amount: *Varies*
 Criteria: *Full-time female undergraduate Religious Studies major. Must demonstrate favorable academic standing, personal growth participation in campus and/or community activities, and professional potential.*
 Contact: *Chairperson, Philosophy and Religion*

LARRY STANTON SCHOLARSHIP

Amount: *\$1,000*
 Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*
 Contact: *Chairperson, Philosophy and Religion*

ROBERT F. STREETMAN SCHOLARSHIP

Amount: *\$1,000*
 Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*
 Contact: *Chairperson, Philosophy and Religion*

Physical Education**PAUL P. BOGATKO SCHOLARSHIP**

Amount: *Varies*
 Criteria: *A graduate of East Side High School, Newark, NJ, who is in good academic standing in the field of physical education. Must show financial need.*
 Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

MARGARET C. BROWN SCHOLARSHIP

Amount: *\$250*
 Criteria: *Sophomore/second year physical education major with highest cumulative average. Must reflect professional ideals through leadership, service or participation in professional physical education activities on- or off-campus (i.e., conferences, workshops, conventions).*
 Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

JOSEPH PAUL CERES SCHOLARSHIP

Amount: *Varies*
 Criteria: *Sophomore/second year or junior female gymnast with exceptional ability and leadership in gymnastics.*
 Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

CAROLE DONOVAN AWARD

Amount: Varies

Criteria: Health Education or Allied Health major in good academic standing, who has demonstrated commitment to the health community, is service oriented, and plans to continue in the health field.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

NICHOLAS CICCONE SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year or junior physical education major with skill in motivating older adults to keep fit through movement activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

KATHERINE EATON SCHOLARSHIP

Amount: \$200

Criteria: Sophomore/second year or junior physical education major in teacher education program who exhibits professional excellence scholastically and in personal conduct.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies.

SUE FULLER MEMORIAL SCHOLARSHIP

Amount: \$500 approximately

Criteria: Junior female in physical education who has exhibited outstanding contributions through service to athletics (i.e., manager, publicity, statistician).

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GERALD A. GARAFOLA SCHOLARSHIP

Amount: \$250

Criteria: Physical education sophomore/second year with a minimum cumulative GPA of 2.8, who has made distinguished contributions and shown leadership in department activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

A. J. GORTON SCHOLARSHIP

Amount: \$100

Criteria: Junior who maintains high performance level in physical education activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

VINCENT, DOROTHY AND TERESA FARRELL SCHOLARSHIP

Amount: Varies

Criteria: Freshmen/first year who demonstrates high academic achievement and are active in department activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GIARDINA AWARD FOR EXCELLENCE IN PRE-SERVICE TEACHING

Amount: Varies

Criteria: MAT candidate with a concentration in physical education or health who demonstrates exceptional skill in pre-service teaching experience and/or requirements. Minimum of a 3.0 GPA.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ASHLEY HAMMOND SCHOLARSHIP

Amount: \$150

Criteria: A female physical education major.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SCOTT AND DOROTHEA HARRIS SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year with minimum cumulative GPA of 3.0. Must be good citizens of their schools and communities and offer the promise of being successful physical education teachers.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE FANNIE DIENER HONIGFELD SCHOLARSHIP

Amount: \$100

Criteria: Students who exhibit effective leadership in department organizations and provide service to meet departmental needs when requested.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GEORGE HORN AWARD

Amount: Varies

Criteria: Male student, in good academic standing, who demonstrates leadership, team spirit and a desire to make a positive contribution to society.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE ETHEL SIMPSON LENKOWSKY '37 SCHOLARSHIP

Amount: Varies

Criteria: Junior physical education major who has an academic record of high quality. Must exhibit financial need.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DEAN MARTINO MEMORIAL SCHOLARSHIP

Amount: \$100

Criteria: Junior physical education major who demonstrates a willingness to give time to others.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOSEPH NERENBERG SCHOLARSHIP

Amount: \$100

Criteria: Freshman/first year physical education major who best represents sportsmanship as well as good scholarship.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

HARRY NOWICK SCHOLARSHIP

Amount: Varies

Criteria: Presented to a male student majoring in physical education.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ROGER M. PALMISANO AWARD

Amount: \$100

Criteria: A male student in good academic standing with a cumulative average of at least 2.5.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER ALUMNI SCHOLARSHIP

Amount: \$200

Criteria: Freshman/first year physical education major with highest scholastic average who best exhibits evidence of professional competence.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT ASSOCIATION ADAPTED PHYSICAL EDUCATION AWARDS

Amount: Varies

Criteria: Students who demonstrate exceptional service and qualities of leadership, understanding and creativity while fulfilling practicum assignments in the adapted area.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT SERVICE AWARD

Amount: \$50 Bond

Criteria: Student in good academic standing, who has provided outstanding leadership and service to the Panzer Student Association

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER TRUST FUND

(3 incentive scholarships)

Amount: \$200

Criteria: Freshmen/first year entering Montclair State in the fall. Three scholarships will be obtainable:

1. Physical Education major
2. Recreation and Leisure Studies major
3. Health Careers major

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER TRUST INCENTIVE SCHOLARSHIP

Amount: \$200

Criteria: For the recreation major who has been accepted for graduate work at a college or university.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELVERA DE MUTH PERKINS SCHOLARSHIP

Amount: \$200

Criteria: Freshman/first year Physical Education major who offers the most promise for making positive contributions to the field of physical education. Must show financial need.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELYSIA PHILIPP SCHOLARSHIP

Amount: Varies

Criteria: Student who exhibits financial need to continue higher education in the Department of Health Professions, Physical Education, Recreation, and Leisure Studies.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SUE SIEGAL RITZ SCHOLARSHIP

Amount: Varies

Criteria: Junior or senior Physical Education student who has shown acceptable academic achievement and demonstrates exceptional ability in working with handicapped students.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SYDNEY B. ROTHBARD SCHOLARSHIP FUND

Amount: Varies

Criteria: Full-time, undergraduate student majoring in physical education who has a cumulative grade point average of 3.0 or higher. Recipients must exhibit good sportsmanship and an understanding of teamwork.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ROSE POPKIN SIMON '19 SCHOLARSHIP

Amount: \$100

Criteria: Physical Education major who exhibits creativity and beauty of movement in dance.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

BETTY SOMMER AWARD

Amount: \$100

Criteria: A Physical Education, major studying movement education at MSU.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DR. RICHARD W. TEWS AWARD

Amount: \$50

Criteria: Student with minimum cumulative GPA of 2.75 who contributes to physical education through services in the Panzer Student Association.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THOMAS THOMAS SCHOLARSHIP

Amount: \$100

Criteria: Two junior Physical Education majors who have shown interest and skill in working with individuals who possess development disabilities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

CATHY VAYIANOS COACHES AWARD

Amount: \$150

Criteria: Female student who demonstrates leadership and the willingness to learn.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DR. HAZEL WACKER AWARD

Amount: Varies

Criteria: A student majoring in Physical Education, Recreation or Health who gives documented volunteer service to an off-campus community group, organization, or institution.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

WESTON-BROWN SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year Physical Education student who has the highest cumulative average and reflects some of Dr. Brown's professional ideals through leadership, service or participation in professional Physical Education activities on- or off-campus (i.e., conference, workshop, convention).

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

Physics**RICHARD HODSON SCHOLARSHIP**

Amount: \$100

Criteria: Outstanding undergraduate physics major.

Contact: Coordinator, Physics

PHYSICS AWARD

Amount: \$100

Criteria: Outstanding undergraduate physics major.

Contact: Coordinator, Physics

Political Science**J. S. GANG SCHOLARSHIP**

Amount: Varies

Criteria: Economics or political science students remaining at MSU for their upper division work. Must exhibit financial need.

Contact: Chairperson, Political Science

Psychology**WILLIAM DORTCH, JR. SCHOLARSHIP**

Amount: \$700

Criteria: Freshman psychology majors with a minimum "C" high school average, as well as matriculated students who demonstrate financial need and potential contribution to the field of human development.

Contact: Chairperson, Psychology

NANCY DRAPER EMERGENCY LOAN FUND

Amount: Varies

Criteria: To provide emergency loans to fully matriculated students majoring in psychology.

Contact: Chairperson, Psychology

ORPHA M. LUTZ LOAN FUND

Amount: Varies

Criteria: Psychology majors.

Contact: Chairperson, Psychology

JEROME M. AND CINDY SEIDMAN AWARD FOR EXCELLENCE IN PSYCHOLOGY

Amount: \$100 each

Criteria: Graduating male and female psychology majors with the highest cumulative grade point averages. In the event of a tie, selection based on service to school and community.

Contact: Chairperson, Psychology

Recreation and Leisure Studies**OUTSTANDING COMMERCIAL RECREATION/TOURISM AWARD**

Amount: \$25 and certificate

Criteria: Commercial recreation/tourism graduating senior who demonstrates excellence in scholarship, co-curricular activities, work experiences and research projects.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

RUBY AND CARL SAYERS MEMORIAL AWARD

Amount: Varies

Criteria: Therapeutic recreation student with a minimum cumulative GPA of 3.0 who has demonstrated efforts through exemplary volunteer work experience or internships with special populations.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

WRITING AS THERAPY SCHOLARSHIP

Amount: Varies

Criteria: Junior or senior with an interest in writing or who possesses other communication skills that apply to a career in recreation therapy.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

School of the Arts

COSMOPOLITAN CLUB OF MONTCLAIR SCHOLARSHIP

Amount: Varies
Criteria: Full-time undergraduate or international graduate student majoring in a program offered through the School of the Arts.
Contact: Dean, School of the Arts

ELLEN MOHAMMED SCHOLARSHIP

Amount: \$500
Criteria: Full-time African-American undergraduate majoring in fine arts, minimum GPA of 2.0.
Contact: Ellen Mohammed Scholarship Committee, c/o Dean, School of the Arts

SCHOOL OF THE ARTS SCHOLARSHIP/TALENT GRANT

Amount: Varies
Criteria: Full-time students majoring/minoring in a program in the School of the Arts. Must be enrolled in a department within the School. Undergraduates must have a minimum GPA of 2.5.
Contact: Dean, School of the Arts

TRENTA AMICI SCHOLARSHIP

Amount: \$500
Criteria: Full-time undergraduate student majoring in a program offered by the School of the Arts.
Contact: Dean, School of the Arts

School of Humanities and Social Sciences

JANET HOLT SCHOLARSHIP

Amount: \$1,000
Criteria: Full-time undergraduate student majoring in a field of study within the School of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.
Contact: Chair, Philosophy and Religion

Second Careers

RALPH P. LASALLE SCHOLARSHIP

Amount: \$100
Criteria: Part-time student, 50 years or older, enrolled in a degree program.
Contact: Director, Second Careers Program

HELEN M. PURCELL SCHOLARSHIP FUND

Amount: \$500
Criteria: Female part-time student in the Second Careers program over the age of 35, who works at least 25 hours per week and has attained no more than an associates degree from an accredited institution. Recipient must have a 3.25 cumulative grade point average at the time of application.
Contact: Director, Second Careers Program

PAULA LACH ROSENBLUM SCHOLARSHIP

Amount: \$500
Criteria: Full-time or part-time undergraduate Second Careers student. Must have earned at least 6 credits from MSU. Student should be in good academic standing with a cumulative GPA of 3.0 at time of application.
Contact: Director, Second Careers Program

ALICIA PAREHA SAVAGE SCHOLARSHIP FOR ADULT STUDENTS

Amount: \$100
Criteria: Undergraduate student, 25 years old or older, who has earned a minimum of six credits in MSU Second Careers Program, minimum GPA of 2.5.
Contact: Director, Second Careers Program

ALICIA P. SAVAGE MSU ASL ADULT SCHOLASTIC ACHIEVEMENT FUND

Amount: Varies
Criteria: Matriculated undergraduate, 25 years or older, who has completed at least 45 semester hours at MSU and has a minimum cumulative GPA of 3.5.
Contact: Director, Second Careers Program

Service-Learning

EDWARD LESHOWITZ URBAN INITIATIVE AWARD

Amount: \$500 for tuition and fees
Criteria: Currently enrolled MSU students who have successfully participated in a community service project that helped solve an urban problem during the last two years.
Contact: Director, Service-Learning

Spanish/Italian

TERESA DE ESCORIZA SCHOLARSHIP

Amount: Varies
Criteria: Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need.
Contact: Chairperson, Spanish/Italian

JOANNE ENGELBERT SCHOLARSHIP FOR ACHIEVEMENT IN TRANSLATION

Amount: \$500
Criteria: Full-time or part-time students with a translating concentration in the Department of Spanish/Italian with a cumulative GPA of 2.75 and a minimum of 3.0 in the Translation Concentration. Based on academic achievement. Financial need of candidate will be considered.
Contact: Chairperson, Spanish/Italian

ITALIAN CLUB SCHOLARSHIP

Amount: Varies
Criteria: Interest in Italian culture or language, to further education here or abroad; must have good scholastic average; letter of recommendation; and some financial need.
Contact: Spanish/Italian Department or Italian Club

ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI SCHOLARSHIP FOR ITALIAN CULTURE

Amount: Varies
Criteria: Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.
Contact: Director, Siena Study Abroad Program

SARA PRIETO SCHOLARSHIP

Amount: Varies
Criteria: Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need, specifically for study abroad.
Contact: Chairperson, Spanish/Italian

Speech Communication

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies
Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Speech Communication, Theatre and Dance, minimum GPA of 3.0 in major courses.
Contact: Chairperson, Speech Communication

MARYANN PEINS SCHOLARSHIP

Amount: Varies
Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.
Contact: Chairperson, Communication Sciences and Disorders

Study Abroad

THE RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP

Amount: \$500
Criteria: Full-time, undergraduate students registered in a study abroad program sponsored by MSU. Recipient must be in good academic standing and must have completed at least two semesters of study at MSU.
Contact: Director, Global Education

MARGARET B. HOLZ SCHOLARSHIP

Amount: \$200 - \$1,000
Criteria: Study in a field of modern language outside the United States.
Contact: Chair, Classics and General Humanities

**ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI
SCHOLARSHIP FOR ITALIAN CULTURE**

Amount: *Varies*
Criteria: *Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.*
Contact: *Director, Siena Study Abroad Program*

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP

Amount: *28,000 Austrian Schillings (about \$1,700), plus room, health insurance and 20-day pass on Austrian National Railway.*
Criteria: *Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.*
Contact: *Chairperson, French. Apply during early spring semester.*

Teacher Education

**BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION
SCHOLARSHIP**

Amount: *\$500*
Criteria: *Full-time sophomore and junior with minimum cumulative GPAs of 3.0. Must exhibit the potential to be teachers. Preference given to Bergen County, NJ, residents.*
Contact: *Director, Financial Aid*

WILLIAM A. CUFF MEMORIAL AWARD

Amount: *\$500*
Criteria: *Student entering the teaching profession.*
Contact: *Dean, College of Education and Human Services*

**THE J. THOMAS FLAGG OUTSTANDING STUDENT TEACHER
AWARD**

Amount: *\$100*
Criteria: *Senior completing student teaching term and nominated by faculty member.*
Contact: *Dean, College of Education and Human Services*

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: *Varies*
Criteria: *Matriculated graduate student currently teaching or preparing to teach who is enrolled in the M.Ed. or MAT degree program at MSU.*
Contact: *Dean, College of Education and Human Services*

RUTH LEWIN ENDOWMENT FUND

Amount: *Varies*
Criteria: *Students in teacher education, who need financial assistance.*
Contact: *Dean, College of Education and Human Services*

ALLAN AND MARGUERITE D. MOREHEAD SCHOLARSHIP

Amount: *One semester's tuition*
Criteria: *A full-time student who comes from the inner city and intends to teach in an inner city school or a student who is interested in working in an inner city school.*
Contact: *Dean, College of Education and Human Services*

SIMONE PICARD ASSISTANCE FUND

Amount: *Varies*
Criteria: *Student enrolled in a graduate or post-baccalaureate program. Preference given to students preparing for careers in teaching or related educational areas. Partial assistance may be granted to baccalaureate degree students who have completed at least 60 semester hours of work (24 semester hours must be at Montclair State).*
Contact: *Administrator, MSU Foundation*

**TEACHERS CLUB OF MONTCLAIR AWARD FOR
SCHOLARSHIP**

Amount: *Varies*
Criteria: *Junior admitted to the Teacher Education Program.*
Contact: *Dean, College of Education and Human Services*

THE ERCELL I. WATSON MEMORIAL FUND

Amount: *\$100*
Criteria: *Educator who is matriculated in or a graduate of a master's degree program in the College of Education and Human Services.*
Contact: *Dean, College of Education and Human Services*

Theatre and Dance

WILLIAM A. BALLARE SCHOLARSHIP

Amount: *Varies*
Criteria: *Full-time speech and theatre major enrolled in the Teacher Certification Program with a cumulative GPA of 3.0. Demonstrate outstanding teaching potential.*
Contact: *Chairperson, Theatre and Dance*

DESIGN/PRODUCTION AWARD

Amount: *\$200*
Criteria: *Full-time undergraduate involved in the Design/Production Program with a minimum cumulative GPA of 2.0.*
Contact: *Chairperson, Theatre and Dance*

THE DANCE SCHOLARSHIP

Amount: *Varies*
Criteria: *Outstanding dance student chosen on basis of potential, contribution and talent.*
Contact: *Chairperson, Theatre and Dance*

JEANNE HENINGBURG SCHOLARSHIP

Amount: *Varies*
Criteria: *Prospective or currently enrolled African-American student majoring in music, dance or theatre with a cumulative GPA of 3.0 in his/her major.*
Contact: *Chairperson, Theatre and Dance*

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: *Varies*
Criteria: *Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Speech Communication, Theatre and Dance, minimum GPA of 3.0 in major courses.*
Contact: *Chairperson, Theatre and Dance*

MARK MATTALIANO SENIOR ACTING AWARD

Amount: *Varies*
Criteria: *Senior male and female undergraduates majoring in theatre. Must possess superior acting talent, demonstrate growth in acting ability and provide evidence of professional commitment and potential.*
Contact: *Chairperson, Theatre and Dance*

**DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN
THEATRE**

Amount: *\$100*
Criteria: *Theatre junior, senior or graduate student with a minimum GPA of 3.0 in theatre courses who has given high-quality performances, demonstrated professional potential and has shown evidence of continued development.*
Contact: *Chairperson, Theatre and Dance*

DENNIS K. McDONALD MEMORIAL SCHOLARSHIP

Amount: *\$300*
Criteria: *Freshman pursuing Bachelor of Fine Arts in theatre. Award based on required admission audition and exhibited academic competence.*
Contact: *Chairperson, Theatre and Dance*

**MARYANN PEINS MEMORIAL DANCE SCHOLARSHIP IN
HONOR OF HER MOTHER, MARIE HANKO PEINS**

Amount: *Varies*
Criteria: *Outstanding female undergraduate dance student chosen on basis of talent, contribution and potential. Must demonstrate favorable academic standing, continued development and potential for professional success.*
Contact: *Chairperson, Theatre and Dance*

THE SPEECH AND THEATRE SCHOLARSHIP FUND

Amount: *Varies*
Criteria: *Students within the Department of Broadcasting, Speech Communication, Dance and Theatre who exhibit financial need.*
Contact: *Chairperson, Theatre and Dance*

Upward Bound

JOHN G. REDD SCHOLARSHIP

Amount: *\$100*
Criteria: *Full-time undergraduate who is a former participant in the Upward Bound Program.*
Contact: *Director, Intra-Collegiate Academic Programs*



ADMINISTRATION AND FACULTY

UNIVERSITY BOARD OF TRUSTEES

ROBERT A. ALTMAN
SUSAN L. BLOUNT
ROSE C. CALI
MURRAY L. COLE
NED T. GROSS, Jr., Student
GEORGE J. HILTZIK
DOUGLAS L. KENNEDY
LILY K. LAI
CARLOS G. ORTIZ
WAYNE J. POSITAN
JONATHAN R. SPICEHANDLER
Non-voting
SUSAN A. COLE, President
SKY PIPPIN, Student
Faculty Representative
JUDITH SHILLCOCK

OFFICERS OF THE UNIVERSITY

SUSAN A. COLE, Ph.D., President
RICHARD A. LYNDE, Ph.D., Provost and Vice
President for Academic Affairs
GREGORY L. WATERS, Ph.D., Deputy Provost
and Vice President for Institutional
Advancement
PATRICIA HEWITT, Ed.D., Vice President for
Business and Finance
HARRY P. SCHUCKEL, M.B.A., Vice President
for Budget, Planning and Information
Technology
KAREN L. PENNINGTON, Ed.D., Vice
President for Student Development and
Campus Life
JUDITH T. HAIN, M.A., Vice President for
Human Resources

ACADEMIC DEANS

ADA BETH CUTLER, Ed.D., Interim Dean,
College of Education and Human Services
RICHARD J. GIGLIOTTI, Ph.D., Dean, College
of Humanities and Social Sciences
JUDITH LIN HUNT, D.L.S., Dean, Library
Services
CARLA M. NARRETT, Ph.D., Dean, Graduate
School
GEOFFREY W. NEWMAN, Ph.D., Dean, School
of the Arts
ALAN J. OPPENHEIM, Ph.D., Dean, School of
Business
KENNETH C. WOLFF, Ph.D., Interim Dean,
College of Science and Mathematics

PRESIDENT'S DIVISION

SUSAN A. COLE, Ph.D., President
LISE GREENE, Ph.D., Executive Assistant to the
President and Board of Trustees

University Counsel

VALERIE VAN BAAREN, J.D.

Government Relations

(To Be Appointed), Director

Internal Auditing

(To Be Appointed), Director

ACADEMIC AFFAIRS

RICHARD A. LYNDE, Ph.D., Provost and Vice
President for Academic Affairs
GREGORY L. WATERS, Ph.D., Deputy Provost
JOAN C. FICKE, Ed.D., Assistant Vice President
for Academic Affairs
JESSE JAMES YOUNG, M.A., Executive
Assistant to the Provost and Vice President for
Academic Affairs

College of Education and Human Services
ADA BETH CUTLER, Ed.D., Interim Dean
LESLIE E. JENKINS, M.A., Assistant Dean

Center of Pedagogy

CYNTHIA ONORE, Ph.D., Director
SCOTTA FRYE, B.A., Program Assistant
New Jersey Network for Educational
Renewal (NJNER)
ADA BETH CUTLER, Ed.D., Director
Agenda for Education in a Democracy
TINA JACOBOWITZ, Ed.D., Coordinator
Teacher Education Advocacy Center
JENNIFER ROBINSON, Ed.D., Director
Office of Teacher Education
Admissions
ANNE BALDINGER, M.S.Ed., Director,
ROBERT PERLETT, Ed.D., Associate
Director

Curriculum Resource Center

(To Be Appointed), Program Assistant

Institute for the Advancement of

Philosophy for Children

MATTHEW LIPMAN, Ph.D., Director
ANN MARGARET SHARP, Ed.D.,
Associate Director
JOANNE MATKOWSKI, B.S., Assistant
Director III

Life Skills Center

JOAN D. BERNSTEIN, Ed.D., Director

Psychoeducational Center

ANTOINETTE SPIOTTA, M.A., Director

Reading and Study Skills Center

MARIA E. SCHANTZ, Ed.D., Director

College of Humanities and Social Sciences

RICHARD J. GIGLIOTTI, Ph.D., Dean
(To Be Appointed), Assistant Dean
CARLOS M. ORTIZ, M.A., M.F.A.,
Administrative Assistant

African American Studies

SANDRA LEWIS, Ph.D., Director

Center for Archaeology

STANLEY WALLING, Ph.D., Director

Hispanic Institute for Applied Psychology

ROBERT MCCORMICK, Ph.D., Director

Institute for the Humanities

TIMOTHY RENNEN, Ph.D., Director

Language Lab

MICHAEL HELLER, M.A., Director

Latin American and Latino Studies

ARISTIDES ESCOBAR, Ph.D., Director

Women's Studies

LINDA G. LEVINE, Ph.D., Director

College of Science and Mathematics

KENNETH C. WOLFF, Ph.D., Interim Dean
JOSEPH G. MARINA, Ph.D., Assistant Dean
JEFFREY GIACOBBE, M.S., Systems
Integration Specialist

Center for Equity and Teaching

Enhancement in the Reform of Mathematics and Science

JACALYN G. WILLIS, Ph.D., Director
JANE McMILLAN-BROWN, M.S., Project
Manager

Health Careers Program

DONNA LORENZO, M.S., Director
R. MARIE WASHINGTON, M.A., Academic
Advisor/Counselor
SERENA SMITH, B.S., Administrative
Assistant/Recruiter

Mathematical Sciences

JANET McLAUGHLIN, S.C., M.A., Math
Lab Coordinator

New Jersey School of Conservation

JOHN J. KIRK, Ph.D., Director
JOANNE SIEBEN, Administrative Assistant

Continuing Education

FRANCES MARKUNAS, M.A., Director
CONCETTA BOLLETTIERI, B.A., Assistant
Director

Cooperative Education and Service Learning

FREYDA LAZARUS, Ed.D., Director
ELAINE RUSSO, M.A., Assistant Director
BEVERLY VERVERS, M.A., Assistant Director
BARBARA TURNER, M.A., Coordinator

Global Education Center

MARINA CUNNINGHAM, Ph.D., Director
BENJAMIN HADIS, Ph.D., Director,
International Studies
WENDY GILBERT-SIMON, M.A.,
Administrative Assistant
TRACY HOGAN, M.A.T., Administrative
Assistant

Graduate School

CARLA M. NARRETT, Ph.D., Dean
KRISTIN E. COHEN, Ed.M., Assistant Dean
RICARDO ORTEGON, M.B.A., Director,
Enrollment Management and Recruitment
CARDRIENNE McDONALD, B.A., Assistant
Director

Honors Program

THOMAS BENEDIKTSSON, Ph.D., Director

Library Services

JUDITH LIN HUNT, D.L.S., M.A., M.L.S., Dean
LUIS RODRIGUEZ, M.L.S., M.A., Associate
Dean/Public Services
KATHLEEN HUGHES, M.A., M.L.S., Interim
Associate Dean/Technical Services
FAITH RYAN, Administrative Assistant
MEI LING JOYCE CHOW, M.L.S., Cataloger
ANITA P. DANIEL, M.L.S., Librarian, Reference
and Information Services Department
EDUARDO GIL, M.L.S., M.A., Head,
Periodicals Department
SUXIAO HU, M.A., M.L.S., Cataloger
KATHLEEN HUGHES, M.A., M.L.S., Head,
Cataloging Department
LAURA LEVY, M.L.S., Head, Circulation
Department
CHUNG-HEI LONE, M.L.S., Cataloger
CAROL L. NURSE, M.S., Evening Librarian,
Reference and Information Services
Department
KEVIN PRENDERGAST, M.L.S., Interlibrary
Services Coordinator, Reference and
Information Services Department
PATRICIA SANDERS, M.L.S., Head, Reference
and Information Services Department
JOYCE SCHAFFER, M.L.S., Head, Government
Documents Department
STEVEN D. SHAPIRO, M.L.S., Electronic
Resources Librarian
NORMAN STOCK, M.L.S., M.A., Head,
Collection Development/Acquisitions
Department
THOMAS TRONE, M.A., M.L.S., Librarian,
Reference and Information Services
Department
KAREN M. VENTURELLA, M.L.S., M.A.,
Head, Multimedia Resources Department
(To Be Appointed), Librarian, Reference and
Information Services Department

Research and Sponsored Programs

SUSAN RUPP NANNEY, Ed.D., Director
CHARLOTTE KIEWIET, B.A., Assistant
Director
CHRISTINE SCHROERS, B.A., Technical
Assistant

School of the Arts

GEOFFREY W. NEWMAN, Ph.D., Dean
RONALD S. SHARPS, Ph.D., Assistant Dean
MARIE SPARKS De ARROYO, B.A.,
Administrative Assistant
GERARD CARACCILO, Ed.D., Director,
International Programs
LINDA DAVIDSON, M.F.A., Director, Student
Services
GENE LOTITO, M.A., Supervisor, Memorial
Auditorium
ROGER RIGGLE, B.F.A., Associate Producer,
TheatreFest

Art Gallery

LORENZO PACE, Ed.D., Director

Arts Programming

LINDSEY GAMBINI, M.Phil., Director
ROBERT HERMIDA, B.A., Audience
Services Director

Broadcasting

PATRICIA PIROH, M.A., Producer/Director

DuMont Television Center

JOHN F. DIGLIO, M.A., Director
PETER GUTHEIL, Chief Engineer
JEFFREY JONES, A.A., Television Engineer

Music

GINA BALESTRACCI, B.Mus.,
Administrative Assistant

TheatreFest

JOHN WOOTEN, B.A., Artistic Director

School of Business

ALAN J. OPPENHEIM, Ph.D., Dean
KAREN E. DENNIS, M. Phil., Assistant Dean
ROGER SALOMON, B.A., Coordinator of
Instructional Services and Technology

Summer Sessions and Special Programs

JOHN H. LEFFLER, Ed.D., Director

**BUDGET, PLANNING AND INFORMATION
TECHNOLOGY**

HARRY SCHUCKEL, M.B.A., Vice President
for Budget, Planning and Information
Technology

Budget

CHARLES MOORE, M.B.A., Director

Continuous Quality Improvement

TIMOTHY R. CAREY, Ed.D., Director,

Information Technology

EDWARD V. CHAPEL, Ph.D., Associate
Vice President
ROY ROPER, Ph.D., Associate Director

Academic Technology

DAVID S. FOGG, M.A., Associate Director

Customer Assistance

MARY PIERSON, B.A., Director

Public Technology Labs

MARIO KRAVANJA, M.A., Supervisor

Software Systems

LUZSENEIDA FLORES, Interim Director

Networks and Telecommunications

MINTO GILL, B.S., Interim Director
EDWARD BUSCAVAGE

Training Services

BRIDGET LEPORE, Director

Institutional Research

JANE ZEFF, Ph.D., Director,
MARC SEMLER, M.A., M.S., Assistant Director

BUSINESS AND FINANCE

PATRICIA HEWITT, Ed.D., Vice President for
Business and Finance

RANI JENKINS, M.A., Executive Assistant

Architectural and Engineering Services

KATHY MONTEIRO, M.S.A.S., Director
DAVID YEN, B.S., Associate Director
DOUGLAS COOPER, B.A., Project Manager
BARBARA ROMAN, B.S., Administrative
Assistant

Auxiliary Enterprises

NANCY CARVER, B.A., Director
KEVIN RAKOWSKY, M.S., Assistant Director
GLORIA FREELAND, Administrative Assistant
RICHARD AMMERMAN, B.S., Director,
University Store
DORA M. LIM, B.S., General Manager, Dining
Services

Environmental Health and Safety

AMY FERDINAND, B.S., Director

Financial Accounting

LINDA MIOZZI, B.S.A., Assistant Director
CHERRI JEFFERSON, B.S., Assistant
Supervisor
BETTY SNYDER, Administrative Assistant
IRENE MURRAY, Supervisor, Accounts Payable

Physical Plant

KIKI WILLIAMS, M.S., Director
EDWARD OBERHOFFER, B.A., Associate
Director
JOE MARZULO, B.S., Chief Engineer of
Maintenance

Purchasing

ANTHONY PETRILLO, M.B.A., Director
DORETHA MOLLETT, B.A., Buyer
WANDA WRIGHT, B.A., Assistant Buyer

University Controller

RUTH ANN SHAW, B.S., C.P.A., Controller
VIL F. MARISTELA, B.A., C.P.A., Bursar
ELAINE VOTO, Senior Investigation Student
Loan
JUDITH BISSELL, Supervisor/Cash Control
CAMILLE AVERSO, Student Loan Investigator

HUMAN RESOURCES

JUDITH TURNBULL HAIN, M.A., Vice
President for Human Resources
JOANNE WALSH, B.S., Position Control

Employee Benefits

JOANNE WALE, A.A.S., Coordinator

Employee Relations

GILBERT RIVERA, M.P.A., Director, and
Executive Assistant to the Vice President for
Human Resources

Equal Opportunity/Affirmative Action

BARBARA J. MILTON, M.H.S., Equal
Opportunity/Affirmative Action Officer

Payroll Services

ANN TURRIZIANI, Director

INSTITUTIONAL ADVANCEMENT

GREGORY L. WATERS, Ph.D., Vice President
for Institutional Advancement
CYNTHIA LEPRE BARNES, B.A., Executive
Assistant to the Vice President for
Institutional Advancement and Director of
Development
ANA GOMEZ, B.A., Program Assistant

Academically Gifted/Talented Youth Programs

RICHARD O. TAUBALD, Ph.D., Director

Alumni Relations

MARLA GRUNDT, M.A., Director
MARGOT HORNEY, B.S., Assistant to the
Director

Annual Giving

BARBARA KRUSKO, B.A., Director

Communications

PHYLLIS MILLER, M.A., Director
CINDY L. MENEGHIN, B.A., Web Manager

Community Relations and Special Events

JULIE M. MARCHINI, B.A., Director

Development Research

JENNIFER HIGGINS, B.A., Coordinator

Intercollegiate Athletics

HOLLY GERA, M.S., Director
TRUDE WOLFARTH, Assistant
GERALD BENSON, B.A., Head Coach, Track
and Field and Cross Country
GLORIA BRADLEY, B.S., Head Coach,
Women's Basketball
ROBERT CHESNEY, M.A., Head Coach, Men's
Soccer
JOHN DAVIS, M.S., Head Athletic Trainer
CYNTHIA DORMAN, B.S., Assistant Athletic
Trainer and Equipment Manager
TED FIORE, M.A., Head Coach, Men's
Basketball
ENRICO GIANCOLA, B.A., Head Coach,
Football and Assistant Coach, Baseball
ANITA KUBICKA, M.S., Assistant Director and
Head Coach, Softball
BRIAN McLAUGHLIN, M.Ed., Head Coach,
Swimming/Women's Tennis
JOSEPH MULVANEY, B.S., Facility Manager
and Camp Coordinator
RICHARD O'CONNOR, M.A., Assistant Coach,
Football/Baseball
KEITH P. PHILLIPS, M.Ed., Associate Director
of Athletics for Fund Raising and Special
Events
TARA NICHOLS RIENECKER, M.Ed.,
Academic Advisor for Athletics
NORMAN SCHOENIG, B.S., Head Coach,
Baseball
DAWN STRUNK, M.Ed., Head Coach, Field
Hockey and Women's Lacrosse

Major Gifts

LAURETTA A. FARRELL, M.S., Director
JACQUELINE MICERA, B.S., Corporate and
Foundation Relations Associate

Public Information

ROBERT QUARTERONI, M.A., Director
DIANA ST. LIFER, B.A., Assistant Director

Publications

GARRY RIDEOUT, B.A., Director
ANN GEL FAIRLIE, B.A., Assistant Director
BILL VALLADARES, B.A., Copy Editor

Sports Information

MICHAEL J. SCALA, B.A., Director
DEATRIX CHAMBERS, B.S., Assistant Director

**STUDENT DEVELOPMENT AND
CAMPUS LIFE**

KAREN L. PENNINGTON, Ed.D., Vice
President for Student Development and
Campus Life
LOUIS ANDERSON, M.A., Executive Assistant
to the Vice President for Student Development
and Campus Life
ALAN BUECHLER, Ed.D., Special Projects

Academic Success Center

HERBERT A. HARRISON, Ph.D., Director

Tutorial

GERALDINE BARLOW, M.A., Director

Weekend College

JOHN H. SANZ, M.S., Director

Academic Support

EILEEN BRUCK, M.A., Director

Academic Advising

GAIL FEINBLOOM, Ed.M., Associate Director

DIANE COOPER, M.S., Coordinator, Academic Monitoring Program

IRIS D. BARRIERA, M.A., Academic Advisor

GABRIELLA DiVIRGILIO, M.A., Academic Advisor

YVETTE HALL, M.S., Academic Advisor

LAURA E. WOODSON, M.A., Academic Advisor

PEDRO ZAYAS, M.A., Academic Advisor

Second Careers

ALICIA HERMO-WEAVER, M.A., Coordinator

Service for Students with Disabilities

LINDA SMITH, M.A., Coordinator

Admissions

(To Be Appointed), Director

FRANK C. ERDMAN, M.A., Associate Director

WILLIAM M. WELSCH, M.A., Associate Director

ABIE FLIPPEN-SMITH, B.A., Assistant Director

JIMMY LUCIANO, M.P.A., Assistant Director

ELIZABETH A. HARRISON, B.A., Assistant Director

ADRIENNE PARQUER, B.A., Admissions Counselor

Campus Recreation and Intramural Services

STEVE SMITH, B.A., Director

MARCUS JACKSON, B.S., Assistant Director

Career Development

(To Be Appointed), Director

CAROLYN JONES, M.A., Assistant Director

MARALYN KINCH, M.A., Assistant Director

CELESTE STEVENS, M.A., Employer Relations Coordinator

Child Care Center

JANEY De LUCA, M.A., Director

PATRICIA FDYFIL, B.A., Teacher

KRISTINE FRANK, B.A., Teacher

ALLISON JOHNSON, A.A., Teacher

DANA PURCEL, B.A., Teacher

Dean of Students

HELEN MATUSOW-AYRES, Ed.D., Dean of Students

MARGAREE COLEMAN-CARTER, M.A., Associate Dean for Student Life

JAMES E. HARRIS, M.A., Associate Dean for Student Development

Educational Opportunity Programs

MICHAEL S. BROWN, SR., M.A., Director

BERTHA M. DIGGS, M.A., Coordinator

DELORES McMORRIN, J.D., Coordinator EOF Legal Studies

THOMAS PURYEAR, M.A., Electronic Learning Coordinator/Counselor

DORIS V. REAVIS, M.A., Counselor

CARMEN REYES-CUEVAS, M.A., Assistant Director

MARIA DE LOURDES TORRES, M.A., Counselor

LORRAINE WHITAKER, M.A., Counselor

Financial Aid

BRYAN TERRY III, Ph.D., Director

EDITH D. WILDEROTTER, M.A., Associate Director

ROBERT G. BAYLOR, M.A., Assistant Director

ZOFIA E. KOZAK, B.A., Assistant Director

LUCY CANDAL-FERNANDEZ, B.A.,

Professional Services Specialist

IFEYINWA OKOBI, B.A., Professional Services Specialist

LESLIE Z. SAMUELS, B.A., Professional Services Specialist

Health and Wellness Services

SUSAN SKALSKY, M.D., Director

DONNA BARRY, M.S.N., Associate Director

EMMA CANTO, R.N.

International Services

JACQUELINE LEIGHTON, M.A., Director

New Student Experience

FELICIA McGINTY, Ed.D., Director

Academic Needs Assessment

SYBIL SMITH-DARLINGTON, M.Ed., Director

JAMAL A. SHAHIN, B.A., Administrative Assistant

Freshman Connections

JUNE GIARDINA, M.A., Counselor

LAURA PASCAL, M.A., Counselor

KENNETH WOLPIN, M.A., Counselor

LOUIS MARIUS, M.A., Counselor

Psychological Services

TODD WEINMAN, Psy.D., Associate Director

ROBERT GOGGINS, Ph.D., Assistant Director

JACQUELINE FREIDMAN-LOMBARDO, Ph.D., Staff Psychologist

BEN BRENNEN, Psy.D., Staff Psychologist

Registrar

DENISE M. De BLASIO, M.A., Registrar

DIANNE L. RIVETTI, M.A., Associate Registrar

DINA GENOVESE-WITTNER, B.A., Assistant Registrar

DWAYNE HARRIS, M.A., Assistant Registrar

JOAN JOHNSON, pM.A., Assistant Registrar

EMILY-ELLEN B. MUDRYK, M.A., Assistant Registrar

ANN G. FEDORISIN, Administrative Assistant

Residence Life

MELINDA O'BRIEN, Ed.D., Director

JOHN GOSCINSKI, B.A., Assistant Director

Student Activities

CHARLES FEINER, M.A., Director

Student Center

MARGAREE COLEMAN-CARTER, M.A.,

Associate Dean for Student Life

MANMEET KOHLI, M.B.A., Assistant Director

MARSHA CAMPBELL-YOUNG, B.S.,

Scheduling Officer

University Police and Security

PHILIP CALITRE, B.S., Director

PAUL CELL, Lieutenant

MICHAEL POSTASKI, Lieutenant

Veterans' Services

ROBERT BAYLOR, M.A., Assistant Director of Financial Aid

Women's Center

ESMILDA ABREU, M.A., Director

DEBORAH CORASIO, Program Assistant

ACCOUNTING, LAW, AND TAXATION

FRANK J. AQUILINO, M.B.A., B.B.A., St.

John's University; C.P.A., State of New York

IRENE K. DOUMA, Ph.D., Baruch College,

CUNY; M.B.A., Rutgers, The State

University; B.S. (Accounting), B.S.

(Secondary Education), Fairleigh Dickinson

University; C.P.A., State of New Jersey

NASHWA GEORGE, Ph.D., M.B.A., Baruch

College; M.A. Cairo University (Egypt)

JOSEPH L. LIPARI, M.B.A., Fairleigh Dickinson

University; B.S., Montclair State University;

C.P.A., State of New Jersey

LEO J. McMENIMEN, Ph.D., M.S., B.S.,

Pennsylvania State University; C.P.A., States

of New Jersey and New York

RAMESH NARASIMHAN, Ph.D., Virginia

Polytechnic Institute and State University;

M.B.A., The State University of West

Georgia; DFM, B.S., University of Bombay

(India); C.P.A. (Delaware); C.M.A.; C.I.A.

JOANN PINTO, Ph.D., Rutgers, The State

University; M.B.A., M.A., Montclair State

University; B.S., Virginia Polytechnic

Institute and State University

WING W. POON, Ph.D., Louisiana State

University; M.S., California State University;

M.A., University of California; C.P.A.,

(Illinois)

LEE PRIMIANO, M.B.A., Rutgers, The State

University; B.A., Montclair State University;

C.P.A., State of New Jersey

DOROTHY L. STEELE, J.D., Brooklyn Law

School; M.B.A., Pace University; B.S.,

Wagner College; C.P.A., State of New York;

Member, Bar State of New Jersey

JAMES G. YANG, M.Ph., M.B.A., New York

University; M.S., Utah State University; B.A.,

National Taiwan University; C.P.A., State of

New Jersey; C.M.A.

ANTHROPOLOGY

JAMES BOYLAN, Ph.D., M.A., B.A., Wayne State University

KENNETH H. BROOK, Ph.D., CUNY; M.A., B.A., Hunter College

MARCHA P. FLINT, Ph.D., CUNY; M.A., New York University; B.A., Hunter College

RICHARD W. FRANK, Ph.D., B.A., Harvard University

ANDREW MAXWELL, Ph.D., M.A., Boston University; B.A., Ohio University

MAURIE SACKS, Ph.D., Columbia University; B.A., Queens College

BIOLOGY AND MOLECULAR BIOLOGY

JAMES CAMPANELLA, Ph.D., Case Western Reserve University; M.S., B.A., University of Chicago

ANN MARIE Di LORENZO, Ph.D., M.S., New York University; B.A., Trinity College

JOHN J. GAYNOR, Ph.D., M.S., Rutgers, The State University; B.S., St. Joseph's College

REGINALD HALABY, Ph.D., M.Phil., CUNY; B.A., Boston University

SCOTT L. KIGHT, Ph.D., Indiana University; M.S., Eastern Illinois University; B.S.,

Southern Illinois University

STEPHEN J. KOEPP, Ph.D., M.A., North Texas State University; B.A., Messiah College

JOHN K. KORKY, Ph.D., University of Nebraska; M.S., University of Texas at El Paso; B.S., Wagner College

LEE H. LEE, Ph.D., CUNY; M.S., Hunter College; B.S., National Taiwan University

BONNIE K. LUSTIGMAN, Ph.D., Fordham University; M.S. Fairleigh Dickinson University; B.A., Hunter College
 JON MICHAEL McCORMICK, Ph.D., M.S., Oregon State University; B.S., Portland State University
 JUDITH A. SHILLCOCK, Ph.D., M.S., B.A., Rutgers, The State University
 JOHN A. SMALLWOOD, Ph.D., The Ohio State University; M.S., B.A., Miami University
 QUINN CHEYNEY VEGA, Ph.D., University of California, San Diego; B.S., University of California, Irvine
 DIRK W. VANDERKLEIN, Ph.D., University of Minnesota; M.S., B.S., University of Washington

BROADCASTING

THOMAS F. GENCARELLI, Ph.D., New York University; M.A., Queens College, City University of New York; B.F.A., New York Institute of Technology
 LAWRENCE J. LONDINO, Ph.D., University of Michigan; M.S., Brooklyn College; B.A., Seton Hall University
 DAVID SANDERS, Ph.D., M.A., B.S., New York University

CHEMISTRY AND BIOCHEMISTRY

HANI Y. AWADALLAH, M.S., Bowling Green State University; B.S., Cairo University
 RENATA J. BAILEY, Ph.D., University of Saskatchewan (Canada); B.Sc., McMaster University (Canada)
 BRANT J. CHAPMAN, Ph.D., B.S., Clemson University
 PAMELA J. DELANEY, Ph.D., Georgetown University; B.Sc., University of Capetown
 SALIYA A. DESILVA, Ph.D., University of Minnesota; B.S., University of Colombo (Sri Lanka)
 JAMES H. DYER, Ph.D., Kansas State University; B.A., University of Kansas
 BRIAN D. HUMPHREY, Ph.D., Princeton University; B.S., St. Joseph's College
 JOHN L. ISIDOR, Ph.D., University of North Carolina; B.S., Stonehill College
 MARC L. KASNER, Ph.D., Purdue University; B.S., California State University at Long Beach
 RICHARD A. LYNDE, Ph.D., Iowa State University; A.B., Hamilton College
 SHELLEY B. WEINSTOCK, Ph.D., Massachusetts Institute of Technology; A.B., Bard College
 MARK A. WHITENER, Ph.D., Harvard University; B.S., Southern Methodist University

CLASSICS AND GENERAL HUMANITIES

JEAN ALVARES, Ph.D., M.A., University of Texas; B.A., University of Florida
 MARY C. ENGLISH, Ph.D., M.A., Boston University; B.A., College of the Holy Cross
 TIMOTHY RENNER, Ph.D., M.A., University of Michigan; B.A., Yale University
 VICTORIA TIETZE LARSON, Ph.D., McMaster University; M. Litt., B.A., Oxford University (England)
 STANLEY WALLING, Ph.D., M.A., Tulane University; B.A., University of Pennsylvania

COMMUNICATION SCIENCES AND DISORDERS

JOSEPH S. ATTANASIO, Ph.D., New York University; M.A., B.A., Montclair State College
 EMMA E. CORTESE, Ph.D., New York University; M.A., Montclair State University; B.A., Wagner College
 ANTHONY D'URSO, Psy.D., Rutgers, The State University; M.A., B.A., Seton Hall University
 ELAINE FINE, Ed.D., Teachers College, Columbia University; M.A., CCNY; B.A., Queens College
 CLAIRE TAUB, D. Arts, Adelphi University; M.S., Pennsylvania State University; B.A., Brooklyn College
 LUCILLE WEISTUCH, Ph.D., Yeshiva University; M.A., B.S. Ed., CCNY

COMPUTER SCIENCE

GEORGE E. ANTONIOU, Ph.D., National University of Athens; M.S., Villanova University; B.S., Fairleigh Dickinson University; B.S., New York Institute of Technology
 JAMES W. BENHAM, Ph.D., Ohio State University; M.S., Stevens Institute of Technology; B.A., Ohio Wesleyan University
 EDWARD A. BOYNO, Ph.D., M.S., Rutgers, The State University; M.S., Stevens Institute of Technology; B.A., St. Peter's College
 CARL E. BREDLAU, Ph.D., M.S., B.A., Rutgers, The State University; M.S., Stevens Institute of Technology
 DOROTHY R. DEREMER, Ph.D., New York University; M.S., Stevens Institute of Technology; M.A., B.A., Montclair State University
 KOSSI DELALI EDOH, Ph.D., M.Sc., Simon Fraser University (Canada); B.Sc. and Diploma, University of Cape Coast (Ghana)
 ANGEL GUTIERREZ, Ph.D., M.S., Universidad Complutense Madrid (Spain); Ph.D., University of Minnesota; M.S., Fairleigh Dickinson University
 HACI-MURAT HUBEY, Ph.D., University of New Hampshire; M.S., Stevens Institute of Technology; M.S., B.S., New Jersey Institute of Technology
 HUBERT A. JOHNSON, Ed.D., Ed.M., Columbia University; M.S., B.S., Central Connecticut University
 JOHN JINGFU JENQ, Ph.D., M.S., University of Minnesota; B.Ed., National Chunghua University of Education (Taiwan)
 PAVEL NAUMOV, Ph.D., Cornell University; Diploma, Moscow State University (Russia)
 DAJIN WANG, Ph.D., M.S., Stevens Institute of Technology; B. Eng., Shanghai University of Science and Technology (China)

COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

KATHY A. GAINOR, Ph.D., Michigan State University; M.A., Boston College; B.A., Waynesburg College
 RICHARD A. GREY, Ed.D., Fordham University; M.A., Montclair State College; B.S., Winston-Salem Teachers College
 MICHAEL D. JAMES, Ph.D., Ohio University; M.S., University of Dayton; B.A., Ohio University
 ARLENE KING, Ph.D., Fordham University; M.A., Montclair State College; B.A., New York University

FRANK P. MERLO, Ed.D., Rutgers, The State University; M.A., B.A., Montclair State College
 THOMAS MILLARD, Ed.D., Fairleigh Dickinson University; M.A., New York University; M.S., The New York School of Social Work, Columbia University; B.A., Rutgers, The State University
 EDWIN MILLS, M.Ed., Florida Atlantic University; B.A., Bob Jones University
 GLORIA PIERCE, Ed.D., M.A., Columbia University; M.A., Fairleigh Dickinson University; B.A. Rutgers, The State University
 TETE H. TETENS, M.A., Columbia University; B.S., Union College
 KATHERINE A. TRIMARCO, Ed.D., Seton Hall University; M.A., Hunter College; B.A., Brooklyn College
 DAVID E. WEISCHADLE, Ed.D., Ed.M., B.S., Rutgers, The State University

CURRICULUM AND TEACHING

JOHN BARELL, Ed.D., Columbia University; M.A., CUNY; A.B., Harvard University
 CATHERINE A. BECKER, Ph.D., New York University; M.A., M.B.A., B.A., Montclair State College
 ADA BETH CUTLER, Ed.D., Ed.M., Harvard University; B.A., Barnard College
 WANDALYN ENIX, Ed.D., Temple University; M.A., Lehigh University; B.A., Howard University
 JUAN-MIGEL FERNÁNDEZ-BALBOA, Ed.D., University of Massachusetts-Amherst; M.A., B.A., University of Barcelona (Spain)
 NANCY J. LAUTER, Ed.D., Boston University; M.A., Columbia University; B.A., Connecticut College
 JUDITH MacDONALD, Ed.D., M.A., Columbia University; B.A., Brown University
 WINFIELD L. PARSONS IV, Ph.D., M.A., Texas A & M University; B.S., California State College
 ROBERT A. PINES, Ed.D., University of Miami; M.S., Rutgers, The State University; B.S., Monmouth College
 JENNIFER J. ROBINSON, Ed.D., M.A., M.Ed., Columbia University; B.A., Northwestern University
 NANCY R. TUMPOSKY, Ed.D., M.Ed., SUNY at Albany; B.A., Manhattanville College
 ANA MARIA VILLEGAS, Ph.D., New York University; M.S., Hunter College; B.S., St. Peter's College
 VINCENT J. WALENCIK, Ed.D., Rutgers, The State University; M.A., B.S., Montclair State College
 RICHARD WOLFSON, Ph.D., M.A., The Ohio State University; B.S., CCNY

EARTH AND ENVIRONMENTAL STUDIES

HOWARD R. BALLWANZ, M.S. Ed., B.S., Northern Illinois University
 HUAN FENG, Ph.D., SUNY, Stony Brook, M.S., Florida Institute of Technology; B.S., Xiamen University (China)
 ZHAODONG FENG, Ph.D., University of Kansas; M.S., University of Washington; M.S., B.S., Lanzhou University (China)
 MATTHEW GORRING, Ph.D., Cornell University; M.A., Binghamton University; B.S., University of Delaware
 JONATHAN M. LINCOLN, Ph.D., Northwestern University; M.A., B.A., Boston University

DUKE U. OPHORI, Ph.D., University of Alberta (Canada); M.Sc., University of Waterloo (Canada); B.Sc., University of Ibadan (Nigeria)

GREGORY A. POPE, Ph.D., M.A., Arizona State University; B.A., University of Colorado

HARBANS SINGH, Ph.D., M.A., Rutgers, The State University; M.A., Punjab University (India)

WILLIAM D. SOLECKI, Ph.D., M.A., Rutgers, The State University; A.B., Columbia University

ROLF STERNBERG, Ph.D., Syracuse University; M.A., Clark University; B.A., Ursinus College

ROBERT W. TAYLOR, Ph.D., St. Louis University; B.A., Washington University

JOHN V. THIRUVATHUKAL, Ph.D., Oregon State University; M.S., Michigan State University; B.S., St. Louis University

ECONOMICS AND FINANCE

AHMET BAYTAS, Ph.D., CUNY; M.S., University of Illinois at Champaign; B.A., Bogazici University (Turkey)

CHANDANA CHAKRABORTY, Ph.D., Rensselaer Polytechnic Institute; M.A., B.A., Jadavpur University (India)

SURESH DESAI, Ph.D., M.A., University of California-Los Angeles; Ph.D., L.L.B., M.A., B.A., Gujarat University (India)

HAROLD FLINT, Ph.D., M.A., Southern Illinois University; B.A., Western Kentucky University

SANG-HOON KIM, Ph.D., University of Wisconsin (Madison); M.B.A., University of Wisconsin (Milwaukee); LL.M., B.A., Korea University (Seoul)

SERPIL LEVEEN, Ph.D., New York University; M.A., Southern Illinois University; B.A., University of Ankara (Turkey)

PHILLIP LeBEL, Ph.D., M.A., Boston University; B.A., Washington College

RICHARD LORD, Ph.D., M.B.A., University of Georgia; B.S., Georgia Institute of Technology

KAMROUZ PIROUZ, Ph.D., University of Hawaii; M.B.A., Rutgers, The State University; B.S., University of Wisconsin (Oshkosh)

GLENVILLE RAWLINS, Ph.D., New York University; M.A., Howard University; B.A., University of West Indies

FARAHMAND REZVANI, Ph.D., CUNY; M.A., Roosevelt University; B.S., Pahlavi University (Iran)

IRA SOHN, Ph.D., M.A., New York University; B.A., Brooklyn College

NILUFER USMEN, Ph.D., CUNY; M.A., B.A., Bogazici University (Turkey)

ZAMAN ZAMANIAN, Ph.D., Indiana University; M.A., St. Mary's University; B.A., National University of Iran

EDUCATIONAL FOUNDATIONS

GEORGE BERNSTEIN, Ed.D., M.A., Teachers College, Columbia University; B.A., Rutgers, The State University

TODD DAVIS, Ph.D., University of Alabama, M.A., B.A., George Washington University

MAUGHN GREGORY, Ph.D., Iberoamericana University; M.A., University of Hawaii; J.D., J. Ruben Clark Law School; B.A., Brigham Young University

DAVID KENNEDY, Ed.D., University of Kentucky; M.S., Eastern Montana College; B.A., Luther College

GERHARD LANG, Ph.D., Columbia University; M.A., B.S., CCNY

TAMARA LUCAS, Ph.D., M.A., Stanford University; M.A., San Francisco State University; B.A., Centre College of Kentucky

ANN MARGARET SHARP, Ed.D., University of Massachusetts; M.A., Catholic University of America; B.A., College of New Rochelle

MARK L. WEINSTEIN, Ph.D., The City University of New York; M.A., The City College of New York; B.A., Brooklyn College

ENGLISH

FAWZIA AFZAL-KHAN, Ph.D., M.A., Tufts University; B.A., Punjab University (India)

PAUL ARTHUR, Ph.D., M.A., New York University; B.A., Tufts University

THOMAS BENEDIKTSSON, Ph.D., University of Washington; B.A., Trinity University

DANIEL BRONSON, Ph.D., University of Pennsylvania; A.B., Harvard University

CHERYL B. BUTLER, Ph.D., M.A., University of Pennsylvania; B.A., Spellman College

SUSAN A. COLE, Ph.D., M.A., Brandeis University; B.A., Barnard College, Columbia University

JANET K. CUTLER, Ph.D., M.A., University of Illinois, Champaign-Urbana; B.A., The University of Chicago

WILLIAM C. DELL, M.A., B.A., New York University

MONIKA ELBERT, Ph.D., M.A., Rutgers, The State University; B.A., Douglass College, Rutgers, The State University

RACHEL FORDYCE, Ph.D., M.A., B.A., University of Pittsburgh

GROVER C. FURR, Ph.D., M.A. Princeton University; B.A., McGill University

RON HOLLANDER, M.A., Rutgers, The State University; A.B., Brandeis University

EMILY J. ISAACS, Ph.D., M.A., University of Massachusetts, Amherst; B.A., Colby College

BARRY D. JACOBS, Ph.D., M.A., Harvard University; B.A., DePauw University

RITA D. JACOBS, Ph.D., M.A., University of Pennsylvania; B.A., Queens College

SARA JONSBURG, Ed.D., University of Massachusetts; M.A., Johns Hopkins University; B.A., Mt. Holyoke College

LEE C. KHANNA, Ph.D., M.A., Columbia University; B.A., Denison University

SHARON LEWIS, Ph.D., M.A., B.A., Rutgers, The State University

NAOMI C. LIEBLER, Ph.D., M.A., SUNY at Stony Brook; B.A., City College of New York

DEENA LINETT, Ed.D., Ed.M., Rutgers, The State University; A.B., Boston University

SARA McWILLIAMS, Ph.D., M.A., University of Washington; B.A., University of Oregon

ALYCE SANDS MILLER, Ph.D., M.A., Pennsylvania State University; B.A., Hunter College

JAMES F. NASH, Ph.D., M.A., University of Virginia; B.A., LaSalle University

THEODORE PRICE, Ph.D., Rutgers, The State University; M.A., Columbia University; B.A., Kenyon College

MORTON D. RICH, Ph.D., New York University; M.Ed., Rutgers, The State University; B.A., Cornell University

JOCELYN SANTANA, Ph.D., New York University; M.A., Columbia University; B.A., SUNY at New Paltz

LAWRENCE SCHWARTZ, Ph.D., Rutgers, The State University; M.A., Stanford University; B.S., Newark College of Engineering

ART SIMON, Ph.D., M.A., New York University; B.A., University of Wisconsin

KEITH D. SLOCUM, Ph.D., M.A., University of Pennsylvania; B.A., Knox College

RUTH BAYARD SMITH, Ed.M., Harvard University; B.A., Barnard College

CAROLE B. STONE, Ph.D., Fordham University; M.A., Rutgers, The State University; B.A., New York University

DAVID M. STUEHLER, Ph.D., M.A., New York University; B.A., Rutgers, The State University

GREGORY L. WATERS, Ph.D., M.A., Rutgers, The State University; A.B., Georgetown University

TIMOTHY WATSON, M. Phil., M.A., Columbia University; M.A., University of Sussex; B.A., Girton College, Cambridge University

ROBERT WHITNEY, Ph.D., New York University; M. Div., Chicago Theological Seminary; B.A., University of New Hampshire

FINE ARTS

PETER G. BARNET, Ed.D., M.A., B.A., New York University

J. CATHERINE BEBOUT, M.F.A., Rochester Institute of Technology; B.A., State University of New York at Oswego

ROBERT BROWNING, Ed.D., M.A., Columbia University; B.S., SUNY at Oswego

CARMEN CICERO, B.S., Newark State College

SUSI COLIN, Ph.D., University of Hamburg (West Germany)

JOHN CZERKOWICZ, M.F.A., Rutgers, The State University; M.A., B.F.A., University of New Mexico

SUELLEN GLASHAUSSER, M.A., University of California; B.A., Manhattanville College

NANCY GOLDRING, M.A., New York University; B.A., Smith College

MARTIN L. GREENWALD, Ed.D., New York University; M.S., CCNY; B.S., B.A., New York University

DOROTHY HEARD, Ph.D., M.F.A., M.A., University of Iowa; M.A., B.F.A., University of the Arts

JULIE HEFFERNAN, M.F.A., Yale School of Art and Architecture; B.F.A., University of California at Santa Cruz

PATRICIA LAY, M.F.A., Rochester Institute of Technology; B.S., Pratt Institute

LINDA LEVINSON, M.F.A., University of California at Los Angeles; B.F.A., School of the Art Institute of Chicago

JOHN C. LUTTROPP, M.F.A., Syracuse University; B.F.A., Milwaukee Institute of Art and Design, Inc.

WILLIAM McCREATH, M.F.A., Cranbrook Academy of Art; B.F.A., University of Manitoba School of Art; Diploma, Teachers College, Dundee, Scotland

DARYL JOSEPH MOORE, M.F.A., Syracuse University; B.F.A., Pratt Institute

KLAUS SCHNITZER, M.F.A., Ohio University; B.A., SUNY at Albany

MICHAEL SIPORIN, M.F.A., B.A., Southern Illinois University

WALTER SWALES, M.F.A., Cranbrook Academy of Art; B.A., Temple University

ELIZABETH VALDEZ del ALAMO, Ph.D., M.Phil., M.A., Columbia University; M.A.T., Yale University; B.A., Sarah Lawrence College

ANNE BETTY WEINSHENKER, Ph.D., M.A., Columbia University; B.A., Barnard College

CAROL WESTFALL, M.F.A. Maryland Institute College of Art; B.F.A., Rhode Island School of Design

FRENCH, GERMAN, AND RUSSIAN

ELIZABETH EMERY, Ph.D., M.Phil., M.A., New York University; B.A., Wellesley College

ROBERT M. GLICK, Ph.D., B.A., University of Chicago; M.A., Middlebury College

STACEY KATZ, Ph.D., University of Texas; M.A., University of Michigan; B.A., Tufts University

DANIEL MENGARA, Ph.D., M.A., University of Nice (France); M.A., Illinois State University; B.A., University Omar Bongo (Gabon)

LOIS OPPENHEIM, Ph.D., M.A., B.A., New York University

ERNESTINE SCHLANT, Ph.D., M.A., B.A., Emory University

CAROLINE SCIELZO, Ph.D., M.A., New York University; B.A., Barnard College

KAY S. WILKINS, Ph.D., B.A., University of Southampton (England)

HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

REE K. ARNOLD, Ed.D., Columbia University; M.Ed., Miami University; B.S., Valparaiso University

MARY JO BELENSKI, Ed.D., Ed.M., Rutgers, The State University; B.A., Fairleigh Dickinson University

MICHAEL S. DAVIDSON, Ed.D., M.Ed., M.A., Columbia University; B.A., Brown University

DOMENICA DESIDERIOSCIOLI, Ed.D., New York University; M.S., B.S., Brooklyn College

JERRY G. DICKASON, Ph.D., M.A., New York University; B.S., Indiana University

JOSEPH DONNELLY, Ph.D., M.S., B.S., Southern Illinois

JOAN FICKE, Ed.D., M.A., New York University; B.A., Montclair State College

MICHELE FISHER, Ph.D., Springfield College, M.A., East Stroudsburg State College; B.A., Elizabethtown College

ROB GILBERT, Ph.D., B.A., University of Massachusetts

EVA GOLDFARB, Ph.D., M.A., University of Pennsylvania; B.A., Trinity College

SUSANA JUNIU, Ed.D., M.Ed., B.S., Temple University

MARK A. KAELEN, Ed.D., Teachers College, Columbia University; M.A., B.A., Montclair State College

JACK B. SAMUELS, Ed.D., M.Ed., Temple University; B.S., SUNY at Cortland

SUSAN SCHWAGER, Ed.D., M.A., Columbia University; B.A., Hunter College

REZA B. SHAHROKH, Ph.D., M.S., B.S., Southern Illinois University

TIMOTHY F. SULLIVAN, M.S., Ithaca College; B.S., SUNY at Cortland

WILLIAM SULLIVAN, Ed.D., M.Ed., M.A., Columbia University; B.A., Southern Illinois University

RICHARD TOBIN, Ph.D., University of Maryland; M.A., B.A., East Carolina University

SUSAN A. WESTON, Ed.D., Rutgers, The State University; M.A., Montclair State College; B.S., Russell Sage College

HISTORY

GEORGE C. BRETHERTON, Ph.D., M.A., B.S., Columbia University

ROBERT E. CRAY, JR., Ph.D., M.A., B.A., SUNY at Stony Brook

BENJAMIN LAPP, Ph.D., M.A., B.A., University of California, Berkeley

PETER F. MACALUSO, Ph.D., New York University; M.A., Seton Hall University; B.A., St. Bonaventure University

JOSEPH T. MOORE, Ed.D., B.S., Rutgers, The State University; M.A., Montclair State College

J. KENNETH OLENIK, Ph.D., M.A., Cornell University; M.A., Seton Hall University; B.S.S.S., John Carroll University

PETER PASTOR, Ph.D., M.A., New York University; B.S., CCNY

CARLA PETIEVICH, Ph.D., University of British Columbia (Canada); M.A., B.A., University of California, Berkeley

JOEL SCHWARTZ, Ph.D., M.A., B.A., University of Chicago

AMY GILMAN SREBNICK, Ph.D., SUNY at Stony Brook; M.A., B.A., University of Wisconsin

LESLIE E. WILSON, Ph.D., CUNY Graduate School; M.A., Hunter College; M.P.S., B.A., Cornell University

L. SHARON WYATT, Ph.D., University of Florida; M.A., B.A. University of New Mexico

HUMAN ECOLOGY

KATHLEEN BAUER, Ph.D., M.S., Rutgers, The State University; B.S., Northern Illinois University

JOAN D. BERNSTEIN, Ed.D., M.A., Columbia University; B.A., Queens College

CAROL BYRD-BREDBENNER, Ph.D., M.S., Pennsylvania State University; M.S., B.S., Florida State University

JOANN COTE-BONANNO, Ph.D., Seton Hall University; M.A., B.A., Montclair State College

M. ELAINE FLINT, Ph.D., Pennsylvania State University; M.S., Southern Illinois University; B.A., Western Kentucky University

FRAN GREB, Ed.D., St. John's University; M.A., Newark State College; B.S., Boston University

MARY E. HENRY, Ph.D., New York University; M.A., B.A., Montclair State College

VIJAY JAISINGHANI, Ph.D., M.A., Iowa State University; B.S., B.Ed., Delhi University (India)

MARTI KENNEDY, Ph.D., M.S., B.A., Texas Tech University

MARGARET R. MUKHERJEE, Ph.D., Rutgers, The State University; M.A., Michigan State University; B.S., Cornell University

LINDA BOEHME REILLY, Ph.D., M.S., Pennsylvania State University; B.S., Purdue University

JOHN SPECCHIO, Ph.D., M.S., B.S., Rutgers, The State University

LOREN WEYBRIGHT, Ed.D., M.Ed., University of Illinois; B.S., Manchester College

SHAHLA WUNDERLICH, Ph.D., Massachusetts Institute of Technology; M.S., American University of Beirut (Lebanon); B.S., Pahlavi University (Iran)

INFORMATION AND DECISION SCIENCES

HARVEY BLUMBERG, Ph.D., CUNY; M.B.A., Baruch College; B.B.A., CCNY

CHUAN YU CHEN, Ph.D., New York University; M.S., University of Tokyo; M.A., Columbia University; B.S., National Taiwan University

QIYANG CHEN, Ph.D., University of Maryland; M.S., China Academy of Space (China); B.S., National University of Defense Technology (China)

STEPHEN CYRUS, Ed.D., Temple University; M.A., B.A., Montclair State University

ELEANOR J. FLANIGAN, Ed.D.; M.Ed., Temple University; B.A., Immaculata College

KIMBERLY A. KILLMER, Ph.D., M.S.E., B.S.E., University of Pennsylvania

NICOLE KOPPEL, Ph.D., Rutgers, The State University; M.S., Columbia University; B.S., Cornell University

ROSEMARIE McCAULEY, Ed.D., Fairleigh Dickinson University; M.A., Seton Hall University; B.A., Trenton State College

ALAN J. OPPENHEIM, Ph.D., New York University; M.S., B.S., Polytechnic University

RICHARD L. PETERSON, Ph.D., M.S., The Pennsylvania State University; B.S., Edinboro State University

ALBERT D. ROSSETTI, Ed.D., Rutgers, The State University; M.A. Montclair State University; B.S., Trenton State College

ZHONGXIAN WANG, Ph.D., Temple University; M.S., Harbin Institute of Technology (China); B.S., Taiyuan University of Sciences and Technologies (China)

LEGAL STUDIES

JACK BALDWIN-LeCLAIR, Ed.S., Rutgers, The State University; J.D., University of Bridgeport; M.A., Rutgers, The State University; B.A., St. Anselm College

NORMA C. CONNOLLY, J.D., New York Law School; M.A., University of Maryland; B.A. Rutgers, The State University

REGINIA JUDGE, J.D., Seton Hall University; B.A., Montclair State University

LENORE M. MOLEE, J.D. Seton Hall University; B.A., Gettysburg College

BARBARA A. NAGLE, J.D., Seton Hall University; B.A., Montclair State University

AVRAM B. SEGALL, J.D., New York Law School; B.S., University of Wisconsin

MARILYN R. TAYLER, Ph.D., Rutgers, The State University; J.D., Seton Hall University; M.A., Hunter College; B.A., CCNY

LINGUISTICS

MARY E. CALL, Ph.D., M.A., University of Pittsburgh; B.A., Case-Western Reserve University

EILEEN FITZPATRICK, Ph.D., M.A., New York University; B.A., Manhattanville College

ALICE F. FREED, Ph.D., M.A., B.A., University of Pennsylvania

TOSHIHIDE NAKAYAMA, Ph.D., University of California at Santa Barbara; M.A., University of Kansas; B.A., Tokyo University of Foreign Studies (Japan)

MILTON S. SEEGMILLER, Ph.D., M.A., New York University; B.A., Brooklyn College

SUSANA SOTILLO, Ph.D., M.A., University of Pennsylvania; M.A., B.S., Temple University

LONGXING WEI, Ph.D., University of South Carolina; M.A., University of Colorado at Boulder; M.A., East China Normal University; B.A., Shanghai Teachers' University (China)

MANAGEMENT

EDWARD D. BEWAYO, D.P.A., SUNY at Albany; M.S., M.A., University of Wisconsin; B.A., University of Delhi (India)
JOHN W. CLARRY, Ph.D., M.A., State University of New York at Stony Brook; B.A., Michigan State University
L.L. JAYARAMAN, Ph.D., The Wharton School, University of Pennsylvania; B.A. of Textile Technology, Bombay University (India)
EILEEN KAPLAN, Ph.D., Rutgers, The State University; M.A., New School for Social Research; B.A., Syracuse University
BYUNG K. MIN, Ph.D., Pennsylvania State University; M.B.A., SUNY at Albany; B.A., Seoul National University (Korea)
CARL A. RODRIGUES, D.P.A., Nova University; M.S.M., B.A., Florida International University
MICHAEL G. ZEY, Ph.D., Rutgers, The State University; B.A., Hunter College

MARKETING

RALPH A. DiPIETRO, Ph.D., New York University; M.B.A., B.B.A., Baruch College
M. NADEEM FIROZ, Ph.D., North Texas State University; M.B.A., University of Dallas; M.Com., B.Com., University of Peshawar (Pakistan)
CHUNG-KUE HSU, Ph.D., University of Illinois-Urbana/Champaign; B.A., National Taiwan University (China)
CHINNAPPA N. JAYACHANDRAN, Ph.D., M.A., B.A., University of Madras (India)
MARK JEFFREY KAY, Ph.D., City University of New York (C.U.N.Y.); M.B.A., Baruch College; M.A., M.F.A., University of Chicago; B.F.A., School of the Art Institute of Chicago
JOHN McGINNIS, Ed.D., New York University; M.A., B.S., Montclair State College
SURESH B. PRADHAN, Ph.D., University of Pittsburgh; M.S., Ohio State University; B.S., University of Bombay; B.S., University of Sagar (India)
PAUL SCIPIONE, Ph.D., Rutgers, The State University; M.A., SUNY at Buffalo; B.S., SUNY at Geneseo

MATHEMATICAL SCIENCES

ANDREW DEMETROPOULOS, Ph.D., Stevens Institute of Technology; M.S., M.A., New York University; B.A., Rutgers, The State University
MARY A. DERENGOWSKI-STEIN, Ph.D., Columbia University; B.A., College of Our Lady of the Elms
THOMAS F. DEVLIN, Ph.D., M.A., Catholic University of America; B.A., LaSalle College
ROBERT F. DORNER, Ed.D., New York University; M.A., Montclair State College; B.S., Trenton State College
EILEEN FERNÁNDEZ, Ph.D., University of Chicago; M.S., New York University; B.A., William Smith College
CARL GOTTSCHALL, Ph.D., J.D., New York University; M.S., Yeshiva University; B.A., CUNY
DEAN HAMDAN, Ph.D., Walden University; M.A.T., B.S., Fairleigh Dickinson University

MICHAEL A. JONES, Ph.D., M.A., Northwestern University; B.S., Santa Clara University
KENNETH KALMANSON, Ph.D., CUNY; B.S., Brooklyn College
PATRICIA KENSCHAF, Ph.D., M.A., University of Pennsylvania; A.B., Swarthmore College
COLLEEN M. KIRK, Ph.D., Northwestern University; M.S., Southern Illinois University; B.S., Stanford University
MARK S. KORLIE, Ph.D., M.S., University of Texas-Arlington; B.S. University of Liberia (Liberia)
LUDWIK KOWALSKI, Ph.D., University of Paris; M.S., B.S., Polytechnic Institute of Warsaw; M.A., Kean College of New Jersey
TZU-CHIANG MA, Ph.D., University of North Carolina; B.S., National Cheng Kung University (China)
EVAN M. MALETSKY, Ph.D., New York University; M.A., B.A., Montclair State University
ANDREW J. McDUGALL, Ph.D., The Australian National University (Australia); B.Sc., M.Sc., University of Auckland (New Zealand)
WILLIAM R. PARZYNSKI, Ph.D., M.S., B.S., Stevens Institute of Technology
ANTHONY V. PICCOLINO, Ed.D., M.Ed., Columbia University; M.S., Yeshiva University; B.S., Iona College
HELEN MARCUS ROBERTS, Ph.D., Johns Hopkins University; B.S., CCNY
JOHN G. STEVENS, Ph.D., New York University; B.S., Indiana University
RUTH C. STEWART, Ed.D., M.A., B.A., Rutgers, The State University; M.A., Columbia University
LINDA TAPPIN, Ph.D., M.S. (Mathematics), M.S. (Statistics), Rutgers, The State University; B.A., Douglass College, Rutgers, The State University
MARY L. WEST, Ph.D., Columbia University; M.S., B.A., Cornell University
THOMAS E. WILLIAMSON, JR., Ph.D., Rutgers, The State University; B.S., University of Maryland
KENNETH C. WOLFF, Ph.D., New York University; M.A., Pennsylvania State University; B.A., Montclair State University

MUSIC

MARY ANN CRAIG, D.M.E., M.M.E., Indiana University; B.M.E., Baldwin-Wallace College
LISA DeLORENZO, Ed.D., Columbia University; M.M.E., Indiana University; B.S., West Chester State College
JEFFREY C. GALL, M.Phil., M.A., Yale University; B.A., Princeton University
KAREN GOODMAN, M.S., Hunter College; B.A., University of Wisconsin
TING HO, Ph.D., University of Rochester; M.A., Kent State University; B.A., Bucknell University
JAMES IMHOFF, D.M.A., University of Oregon; M.Mus.Ed., Western Oregon State College; M.Ed., B.A., University of Delaware
JEFFREY KUNKEL, D.Ed., Pennsylvania State University; M.Mus., New England Conservatory; B.S., Pennsylvania State University
DONALD M. MINTZ, Ph.D., B.A., Cornell University; M.F.A., Princeton University

OSCAR RAVINA, Diploma, St. Petersburg Conservatory of Music; Diploma, Bruckner Conservatory of Music; Diploma, Academy of Music in Salzburg; Diploma, Academy of Music in Vienna
RUTH RENDLEMAN, Ed.D., Columbia University; M.Mus., Manhattan School of Music; B.Mus., North Carolina School of Arts
DAVID SINGER, Diploma, Curtis Institute of Music; Artist Certificate, Hochschule für Musik (Vienna)
DAVID WITTEN, D.M.A., Boston University; M.F.A., SUNY Buffalo; B.A., John Hopkins University
CHAIM ZEMACH, Diploma, Cologne University (Germany); Diploma, Accademia Chigiana (Italy)

NEW JERSEY SCHOOL OF CONSERVATION

RANDALL FITZGERALD, Ph.D., SUNY at Binghamton; B.A., SUNY at Purchase
REGINA M. KELLY, M.A., B.A., Trenton State College
JOHN J. KIRK, Ph.D., M.A., University of Michigan; B.S., Boston University
WALTER M. MYERS, Dir. Re., Indiana University; M.S., Northern Illinois University; B.S., Stockton State College

PHILOSOPHY AND RELIGION

DAVID BENFIELD, Ph.D., M.A., Brown University; B.A., St. John's College
THOMAS BRIDGES, Ph.D., M.A., Columbia University; B.A., New York University
ROLAND GARRETT, Ph.D., M.A., B.A., Columbia University
CRIS D.HERERA, Ph.D., University of Oklahoma; M.A., University of Colorado; B.S., Embry-Riddle University
STEPHEN JOHNSON, Ph.D., M.Phil., Yale University; M.A., Marquette University; B.A., Spring Hill College
MICHAEL S. KOGAN, Ph.D., B.A., Syracuse University
MATTHEW LIPMAN, Ph.D., B.S., Columbia University
LISE F.VAIL, Ph.D., University of Pennsylvania; M.A., Princeton University; B.A., Florida State University

POLITICAL SCIENCE

OPOKU AGYEMAN, Ph.D., York University (Toronto); M.A., Makerere, Uganda; B.A., University of Ghana
WILLIAM M. BATKAY, Ph.D., M.A., Columbia University; B.A., Fordham University
WILLIAM S. BERLIN, Ph.D., Rutgers, The State University; M.A., George Washington University; B.A., Brooklyn College
BRIGID R. HARRISON, Ph.D., Temple University; M.A., Rutgers, The State University; B.A., Stockton State College
GEORGE T. MENAKE, Ph.D., New York University; M.A., St. John's University; B.A., St. Peter's College
DAVID K. NICHOLS, Ph.D., University of Virginia; M.A., Northern Illinois University; B.A., Wake Forest University
GEORGE N. ZILBERGELD, Ph.D., Miami University; M.A., San Francisco State University; B.A., Rutgers, The State University

PSYCHOLOGY

JOHN K. ADAMS, Ph.D., New York University; M.A., B.A., University of Nebraska
EDWARD ARONOW, Ph.D., M.A., Fordham University; B.A., Queens College
IRWIN J. BADIN, Ph.D., New York University; B.A., Long Island University
JENNIFER BRAGGER, Ph.D., M.A., Temple University; B.A., College of New Jersey
ANGELICA DIAZ-MARTINEZ, Psy.D., Psy.M., Rutgers, The State University; M.A., Montclair State University; B.A., Rutgers, The State University
KATHERINE W. ELLISON, Ph.D., CUNY; B.A., Agnes Scott College
MARK J. FRIEDMAN, Ph.D., M.S., Purdue University; B.A., Colgate University
MILTON FUENTES, Psy. D., Psy.M., Rutgers, The State University; M.A., Montclair State University; B.A., Saint Peters College
MAGDA GARCIA-ESTEVEZ, Ph.D., New York University; A.B., Barnard College, Columbia University
MARGARITA GARCIA, Ph.D., M.A., B.S., Columbia University
EDWARD J. HAUPT, Ph.D., New York University; B.A.E., University of Minnesota
MARK A. KOPPEL, Ph.D., M.A., Northwestern University; B.A., Columbia University
SANDRA LEWIS, Psy.D., Rutgers, The State University; B.A., Spelman College
PAUL J. LOCHER, Ph.D., M.S., Temple University; B.S. Ed., Kutztown State College
ROBERT D. McCORMICK, Ph.D. (Spanish), CUNY; Ph.D. (Psychology), Rutgers, The State University; M.A. (Spanish), Queens College, CUNY; M.A. (Psychology), Rutgers, The State University; B.A., St. John's University
LUIS MONTESINOS, Rh.D., M.A., Southern Illinois University; Psychologist Degree, Catholic University of Chile
CARLA M. NARRETT, Ph.D., M.S., Syracuse University; B.S., Northern Michigan University
AGNES O'CONNELL, Ph.D., M.S., Rutgers, The State University; A.B., Douglass College, Rutgers, The State University
THOMAS BIDDLE PERERA, Ph.D., M.A., A.B., Columbia University
OFELIA RODRIGUEZ-SREDNICKI, Ph.D., M.A., Seton Hall University; B.A., Jersey City State College
GEORGE S. ROTTER, Ph.D., New York University; B.A., Brooklyn College
SAUNDRA-COLLINS, Ph.D., M.A., University of Maryland; B.A., Point Park College
JEROLD S. SCHWARTZ, Ph.D., M.A., Yeshiva University; B.A., University of Pennsylvania
JOAN SILVERSTEIN, Ph.D., New York University; M.S., University of Wisconsin; B.S., CCNY
IRA R. SUGARMAN, Ph.D., M.S., Columbia University; B.A., New York University
KENNETH E. SUMNER, Ph.D., M.A., Bowling Green State University; B.A., Wayne State University
DAVID J. TOWNSEND, Ph.D., M.A., Wayne State University; B.A., University of Michigan

READING AND EDUCATIONAL MEDIA

DENNIS M. ADAMS, Ph.D., University of Wisconsin; M.S., University of Southern California; B.A., California State University
JOHN F. DIGLIO, M.A., Montclair State College; B.A., Jersey City State College
RUTH D. HANDEL, Ph.D., M.A., Columbia University; B.A., Radcliffe College
TINA JACOBOWITZ, Ph.D., New York University; M.A., University of Wisconsin; B.A., Brooklyn College
SHUNFA LI, M.Ed., B.A., Arizona State University
CYNTHIA ONORE, Ph.D., M.A., B.A., New York University
DIERDRE GLENN PAUL, Ed.D., Teachers College, Columbia University; M.Ed., Lehman College, CUNY; B.A., University of Alabama
MARIA E. SCHANTZ, Ed.D., Columbia University; M.A., Montclair State College; B.S., Jersey City State College
JOY STONE, Ph.D., Fordham University; M.A., Montclair State College; B.A., Adelphi College
LINDA L. WISE, Ed.D., Columbia University; M.S. Ed., Lehman College, CUNY; A.B., Syracuse University

SOCIOLOGY

BARBARA CHASIN, Ph.D., University of Iowa; B.A., CCNY
CANDACE CLARK, Ph.D., A.M., University of Chicago; Ph.D., M. Phil., Columbia University; B.A., Oklahoma State University
DAVID DODD, D. Crim., M. Crim., University of California, Berkeley; Barrister at Law, Gray's Inn; M.A., B.A., Oxford University (England)
PETER FREUND, Ph.D., New School for Social Research; M.A., Queens College; B.A., University of Maryland
RICHARD J. GIGLIOTTI, Ph.D., M.A., Michigan State University; B.A., St. John Fisher College
BENJAMIN HADIS, Ph.D., M.A., University of California at Los Angeles; Licenciatura, University of Buenos Aires (Argentina)
MARY HOLLEY, Ph.D., North Texas State University; M.A., Fisk University; B.A., Saint Augustine's College
JENNIFER HUNT, Ph.D., CUNY; B.A., Sarah Lawrence College
GILBERT KLAJMAN, M.A., Brandeis University; B.A., Brooklyn College
LAURA KRAMER, Ph.D., M.A., SUNY at Stony Brook; B.A., University of Michigan
JAY LIVINGSTON, Ph.D., Harvard University; B.A., Brandeis University
GEORGE MARTIN, Ph.D., M.A., University of Chicago; B.A., Vanderbilt University
JANET RUANE, Ph.D., M.A., Rutgers, The State University; A.B., Marywood College
GILBERT ZICKLIN, Ph.D., M.A., University of California, Davis; B.A., Columbia University

SPANISH/ITALIAN

ITALO BATTISTA, M.A., Rutgers, The State University; B.A., CCNY
VINCENZO Z. BOLLETTINO, Ph.D. (Spanish), Ph.D. (Comparative Literature, English), M.A., (Spanish), M.A., (Comparative Literature, English), Rutgers, The State University; B.A., City College, CUNY
DAVID DEL PRINCIPE, Ph.D., Rutgers, The State University; M.A., New York University; B.A., University of Connecticut
ARISTIDES ESCOBAR, Ph.D., University of Pittsburgh; M.A., Ohio University; B.A., Universidad Católica de Paraguay (Paraguay)
DIANA GUEMAREZ-CRUZ, M.A., Harvard University; B.A., University of Puerto Rico
JOHN G. HWANG, Ph.D., M.A., University of Oregon; M.A., B.A., Stanford University
LINDA G. LEVINE, Ph.D., M.A., Harvard University; B.A., New York University
PAOLO POSSIEDI, Dottore lettere, University of Padua (Italy)
VALETIN SOTO, Ph.D., Stanford University; M.A., University of California; M.A., Universidad Nacional Autónoma de Mexico; B.A., CCNY
JOHN A. ZAHNER, Ph.D., M.A., University of Arizona; B.A., Toledo University
ROGER A. ZAPATA, Ph.D., University of Minnesota; M.A., University of Pittsburgh; B.A., Universidad Nacional Mayor de San Marcos (Peru)

SPEECH COMMUNICATION

WAYNE BOND, Ph.D., Southern Illinois University; M.A., West Virginia University; B.A., Alderson-Broaddus College
GERARD CARACCILO, Ed.D., Teachers College, Columbia University; M.A., B.A., Montclair State College
ANNE H. JENKINS, Ph.D., Howard University; M.A., California State University; B.S., Hampton University

THEATRE AND DANCE

RAMON L. DELGADO, Ph.D., Southern Illinois University; M.F.A., Yale School of Drama; M.A., Dallas Theatre Center, Baylor University; B.A., Stetson University
ERIC DIAMOND, M.F.A., Temple University; B.F.A., Pennsylvania State University
JOHN A. FIGOLA, M.F.A., Carnegie-Mellon University; B.S., California State University of Pennsylvania
LORRAINE KATTERHENRY, M.F.A., B.F.A., Florida State University
SUSAN KERNER, M.F.A., Boston University; M.A., Columbia University; B.A., Connecticut College
W. SCOTT MacCONNELL, M.A., Columbia University; B.A., Amherst College
RANDY MUGLESTON, M.F.A., Indiana University; B.F.A., Utah State University
GEOFFREY W. NEWMAN, Ph.D., Howard University; M.A., Wayne State University; B.F.A., Howard University
JANE T. PETERSON, Ph.D., University of Missouri; M.A., B.A., Tulane University
LINDA J. ROBERTS, M.A., Columbia University; B.A., University of Bridgeport
SUZANNE M. TRAUTH, Ph.D., M.A., Bowling Green State University; B.S., University of Dayton

INDEX

About Montclair State University	1
Academic Advising	19, 27
Academic and Student Support, Program for (PASS)	20
Academic Affairs	232
Academic Calendar	10
Academic Deans	232
Academic Needs Assessment	19
Academic Policies and Procedures	27
Academic Success Center	19
Accounting Concentration	52
Accounting and General Business Education	132
ACCOUNTING, LAW, AND TAXATION	52
Accreditation	inside front cover
Accreditations and Memberships	6
Acting Concentration	196
Administration and Faculty	232
ADMISSIONS	12, 21
Admission to Teacher Education	218
Admission Requirements	12
Adult Fitness Concentration, Physical Education	114
Advanced Placement	27
Advisement	19, 27
Affirmative Action/Equal Opportunity	inside front cover
African-American Studies Minor	206
Allied Health Services Major	112
Alpha Course Codes, Legend of	49
Alumni Association/Office of Alumni Relations	15
ANTHROPOLOGY	54
Anthropology Major, Minor	54
Anthropology, Practical (Five Year Program)	54
Application for Final Audit	27
Applied Mathematics Concentration	154
Archaeology Minor	207
Art History Concentration	96
Arts, School of the	9
Associate Educational Media Specialist Certification	182
Athletics, Intercollegiate	17
Attendance	27
Audit Policy	27
Auxiliary Enterprises	15
Awards, Scholarships and	22, 221
Basic Skills	19, 28, 42
Biochemistry Major	65
BIOLOGY AND MOLECULAR BIOLOGY	58
Biology Major	58
Biology Major, Environmental Science Concentration	59
Biology Minor	59
Board of Trustees	232
Bookstore	15
BROADCASTING	63
Budget, Planning and Information Technology	233
Business, School of	10
Business Administration, Accounting	52
Business Administration, Economics	86
Business Administration, Finance	86
Business Administration, International Business	150
Business Administration, Management	148
Business Administration, Management Information Systems	133
Business Administration, Marketing	150
Business Administration, Office Systems Administration	133
Business Administration, Quantitative Methods	133
Business Administration, Retail Merchandising and Management	150
Business and Finance	233
Business Economics Concentration	85
Business Education	132
Calendar, Academic	10
Campus Employment	16
Campus Life, Student Development and	19
Campus Ministry Programs	21
Campus Recreation and Intramural Services	15
Cancellation of Courses and Staffing	28
Career Development	19
CHEMISTRY AND BIOCHEMISTRY	65
Chemistry Major, Minor	65
Child Advocacy Concentration	137
Child Care Center	23
Chinese	144
CLASSICS AND GENERAL HUMANITIES	68
Classics Major, Minor	68
Class Standing	28
College of Education and Human Services	8
College of Humanities and Social Sciences	8
College of Science and Mathematics	9
College Level Examination Program (CLEP)	28
Combined Bachelor of Science/Doctor of Medicine and Bachelor of Science/Doctor of Dental Medicine Degrees	212
Commercial Recreation and Tourism Concentration	114
COMMUNICATION SCIENCES AND DISORDERS	71
Communication Studies Minor	194
Community Health Services Concentration	112
Comprehensive Business Education	132
COMPUTER SCIENCE	72
Computer Science Major, Minor	72
Computer Services	15
Concentrations, Degree Programs and	4
Conference Services, Scheduling	23
CONSERVATION, NEW JERSEY SCHOOL OF	217
Consumer Affairs Concentration	126
Continuing Education, Center for	15
Cooperative Education	213
Costs	inside front cover, 14
Counseling, Academic	19, 27
COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP	75
Counseling and Psychological Services	21
Course Loads	28
Course Codes, Legend of Alpha	49
Course Overlap	28
Creative Writing Concentration	90
Credit Adjustments for Freshman English, Waivers and	34
Credit by Examination and Assessment of Life Experience	28
Credit for Life Experience	29
Credit, Transfer	33
Criminal Justice Minor	207
CURRICULUM AND TEACHING (includes Technology Education)	77
Dance Major	196
Dance Minor	197
DANCE, THEATRE AND	196
Deans, Academic	232
Dean's List	29
Degree Programs and Concentrations	4
Degree Requirements	35
Degrees Offered	inside front cover, 4
Design Concentration, Production/	197
Dining Services	15
Directions to the Campus, Montclair State	244
Dismissal	31
Early Childhood Education Concentration (Nursery-Eight Certification) Family and Child Studies	127
EARTH AND ENVIRONMENTAL STUDIES	80
Earth Science, Second Teaching Field	81
ECONOMICS AND FINANCE	85
Economics Major, Minor	85
Education and Human Services, College of	8
Education Program, Teacher	218
EDUCATIONAL FOUNDATIONS	89

EDUCATIONAL MEDIA, READING AND	182
Educational Opportunity Fund (EOF)	19
Electives, Free	38
Emergency Medical Services	22
ENGLISH	90
English Major, Minor	90
English as a Second Language, Teaching (TESL)	144
English as a Second Language (ESL)	144
English, Grammar, Style, Standard	32
English, Provisions for Non-native Speakers of	13
English, Waivers and Credit Adjustment for Freshman	34
Enrollment	inside front cover
Environmental Science Concentration (Biology)	59
Enviornmental Science Concentration (Earth and Environmental Studies)	80
Equal Opportunity/Affirmative Action	inside front cover
Examinations, Final	29
Exemptions from Freshman English	34
Expenses, Student	14
Experiential Education	213
Facilities	inside front cover
Facilities and Resources	15
Faculty	inside front cover
Faculty, Administration and	232
Family and Child Studies-Applied Concentration	126
Family and Child Studies-Child Life Specialist Concentration	126
Family and Child Studies - Early Childhood Education Concentration (Nursery-Eighth Grade Teacher Certification)	127
Fashion Studies Concentration	127
Federal Work-Study Employment	16
Fees and Tuition	inside front cover, 14
Film Minor	208
Final Audit, Application for	27
Final Examinations	29
Finance Concentration	86
Financial Aid	inside front cover, 22
FINE ARTS	96
Fine Arts, Art History (BA)	96
Fine Arts, Education (BA)	97
Fine Arts, School of	9
Fine Arts, Studio (BA, BFA)	96
Foodservice Management Concentration	128
Food and Nutrition-Dietetics Concentration	127
Food and Nutrition-Food Technology Concentration	128
Food and Nutrition-General Concentration	127
FRENCH, GERMAN, AND RUSSIAN	105
French Civilization Concentration	105
French Major	105
French Major, Teacher Education	106
French Minor	106
Freshman English, Waivers and Credit Adjustments for	34
Furlough	31
General Education Requirement Courses	43
General Education Requirements (Bachelor of Arts/ Bachelor of Science)	35
General Education Requirements (Bachelor of Fine Arts/ Bachelor of Music)	37
General Humanities Major	110
Geography Major	80
Geoscience Major	80
Geoscience Minor	81
German Course Descriptions	109
Global Education Center	16
Grades and Standards	29
Graduate Courses, Undergraduates in	34
Graduate Degree Programs	4, 219
Graduation, Final Audit	27
Graduation Honors	30
Greek Minor	68

Health and Wellness Center	21
Health and Wellness Education Services	22
Health, Physical Education and (Dual Teacher Certification)	113
Health Careers Program	215
Health Education Major	112
HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION AND LEISURE STUDIES	112
Health Studies Minor	113
Hispanic Community Affairs Minor	189
HISTORY	122
History Major	122
Home Economics Education Concentration	128
Honors Program	215
Housing, Residence Life	23
Human and Intercultural Relations Requirement	218
HUMAN ECOLOGY	126
Human Ecology Major	126
Human Resources	233
Human Services, College of Education and	8
Human Services Minor	75
Humanities and Social Sciences, College of	8
Humanities Major, General	110
Hygiene and Physiology, Examination in	218
Identification Cards	23
Independent Study	30
Informatics Concentration	72
INFORMATION AND DECISION SCIENCES	132
Information Technology	17
Institutional Advancement	233
Intercollegiate Athletics	17
Interdisciplinary Minors	206
International Business Concentration	150
International Services	21
International Summer Institutes	16
International Students (Admission)	13
International Studies Minor	208
ITALIAN, SPANISH/	188
Journalism Minor	90
Justice Studies Major	137
Justice Systems Concentration	138
Latin American and Latino Studies Minor	210
Latin Major, Minor	68
Leave of Absence	30
LEGAL STUDIES	140
Library	17
Library Research and Documentation	32
LINGUISTICS	144
Linguistics Major, Minor	144
Location	inside front cover, 244
Major Declaration	30
Major Field	38
MANAGEMENT	148
Management Concentration	148
Management Information Systems Concentration	133
Map, Directions to the Campus, Montclair State	244
Map, Montclair State Campus	inside back cover
MARKETING	150
Marketing Concentration	150
Mathematics, College of Science and	9
MATHEMATICAL SCIENCES	154
Mathematics Majors	154
Mathematics Minor	155
Ministry Programs, Campus	21
Molecular Biology Major	58
Multicultural Awareness Requirement	38
MUSIC	160
Music (Combined B.A./B.Mus. 5 year program)	163
Music Education Concentration	161
Music, Performance Concentrations	162

Music, Theory Composition Concentration	163	Retention Standards	31
Music Therapy Major	162	Russian Area Studies Minor	107
Musical Theatre Minor	197	Russian Minor	107
NEW JERSEY SCHOOL OF CONSERVATION	217	Scheduling/Conference Services	23
New Student Experience	20	Scholarships and Awards	22, 221
Non-Accredited Institutions, Transfer Credit	33	School of Business	10
Non-Native Speakers of English, Provisions for	13	School of the Arts	9
Office Systems Administration Concentration	133	Science and Mathematics, College of	9
Officers of the University	232	Second Baccalaureate Students	13
Older Adult Tuition Waiver Program	20	Secretarial and General Business Education	132
Panzer School Council	18	Service Learning Program	213
Paralegal Studies Concentration	138	Services for Students with Disabilities	20
Paralegal Studies Program	140	Smoking Regulation	inside front cover
Paralegal Studies Minor	140	Social Sciences, College of Humanities and	8
Parking and Traffic	18	Social Studies Teacher Certification	122
Part-Time Students (Admission)	12	SOCIOLOGY	184
Pass/Fail Grading	30	Sociology Major, Minor	184
Payment Plan, Monthly	14	SPANISH/ITALIAN	188
Performance Concentrations, Music	162	Spanish Major, Minor	188
PHILOSOPHY AND RELIGION	170	Spanish Major, Translation Concentration	188
Philosophy Major, Minor	170	Special Education	217
Physical Education, Adult Fitness Concentration	114	SPEECH COMMUNICATION	194
Physical Education and Health (Dual Teacher Certification)	113	Staffing, Cancellation of Courses and	28
PHYSICAL EDUCATION, RECREATION, AND		Standard English, Grammar, Style	32
LEISURE STUDIES, HEALTH PROFESSIONS	112	Standards for Formal Written Work	32
Physical Science, Second Teaching Field in	66, 155	Student Activities	24
Physics, Major, Minor	155	Student Development and Campus Life	19, 233
Physiology and Hygiene, Examination in	218	Student Center	23
Plagiarism	30	Student Government Association, Inc. (SGA) and Student	
Police and Security, University	25	Organizations	24
POLITICAL SCIENCE	174	Student Responsibility	33
Political Science Major, Minor	174	Student Rights	33
Practical Anthropology	54	Student Support, Program for Academic and (PASS)	20
Pre-Law Advisor	18	Studio (BA, BFA)	96
Pre-Law Studies Program, Minor	141	Study Abroad (Global Education Center)	16
Prerequisite Courses	31	Study Skills Center, Reading and	18
President's Division	232	Summer Sessions	18
Probation, Grades and Standards	29	Suspension	31
Production/Design Concentration	197	Teacher Education, Admission to	218
Professional Computing Concentration	72	Teacher Education Program	218
Professional Sequence for Teacher Education Certification	219	TEACHING, CURRICULUM AND	77
Program for Academic and Student Support (PASS)	20	Teaching English as a Second Language (TESL)	147
Psychoeducational Center	18	Technology Education Major	78
Psychological Services, Counseling and	21	Television Center	18
PSYCHOLOGY	178	Theatre Major (B.F.A.)	196
Psychology Major, Minor	178	Theatre Minor	197
Public Administration Minor	175	THEATRE AND DANCE	196
Quantitative Methods Concentration	133	Theatre Studies Major (B.A.)	196
READING AND EDUCATIONAL MEDIA	182	Theory/Composition Concentration	163
Reading and Study Skills Center	18	Therapeutic Recreation Concentration	114
Reading Minor	182	Tourism and Recreation Concentration, Commercial	114
Readmission	13	Transcripts	33
RECREATION AND LEISURE STUDIES, PHYSICAL		Transfer Credit	33
EDUCATION, HEALTH PROFESSIONS	112	Transfer Credit, Full-Faith-and-Credit	33
Recreation and Tourism Concentration, Commercial	114	Transfer Credit, Non-Accredited Institutions	33
Recreation Professions Major	114	Transfer Students	12
Recreation, Therapeutic	114	Translation Concentration, French	105
Refund of Tuition and Fees	14	Translation Concentration, Spanish	188
Refund and Withdrawal Policies	14, 34	Trustees, Board of	232
Registration	31	Tuition and Fees	14
RELIGION, PHILOSOPHY AND	170	Tuition, Older Adult Waiver Program	20
Religious Studies Major, Minor	170	Tutorial Services	21
Repeated Courses	31	Undergraduate Degree Programs and Concentrations	4
Requirements for the Undergraduate Degree	35	Undergraduate Degree, Requirements for the	35
Research and Documentation, Library	32	Undergraduate Program, Statement on the	3
Residence Life	23	Undergraduates in Graduate Courses	34
Residence Requirements	31	University Police and Security	25
Resources and Facilities	15	Urban Studies Minor	81
Retail Merchandising and Management Concentration	150	Veterans	22

Visiting Students	23
Vocational-Technical Teacher Education Program	78
Waivers and Credit Adjustments for Freshman English	34
Wellness Center, Health and	21
Wellness Services	21
Withdrawal from Courses	34
Withdrawal from Montclair State	34
Women's Center	22
Women's Studies Major	203
Women's Studies Minor	203
Work-Study Employment, Federal (Financial Aid)	16, 22
Writing Requirement	40
Written Work, Standards for Formal	32

DIRECTIONS TO CAMPUS

Montclair State University is on Valley Road and Normal Avenue, Upper Montclair, N.J. one mile south of the junction of routes 3 and 46.

By Car From:

Bloomfield Ave., Montclair: North on Valley Road, 3.3 miles to Normal Avenue light, turn left.

Route 46 (East and West): Valley Road, Montclair exit (at Route 3 junction), south for approximately one mile to Normal Avenue light, turn right.

Route 3: Valley Road, Montclair exit (at Route 46 junction), south for approximately one mile to Normal Avenue light, turn right.

Garden State Parkway North: Exit 153B (left lane) to Route 3 West to Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right.

Garden State Parkway South: Exit 154 to Route 46 West, to Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right.

New Jersey Turnpike: Exit 16W to Route 3, Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right. Motorists traveling on the Turnpike south of Exit 11 may exit there to Garden State Parkway North.

Lincoln Tunnel: Follow to Route 3.

George Washington Bridge: Route 80 to Garden State Parkway South.

By Public Transportation* From:

New York City (by train): Take PATH Service to Hoboken, transfer to NJ Transit Boonton Line, and get off at Montclair Heights Station at southwest

corner of campus. (*Service available only on weekdays in the afternoon and evening.*)

New York City (by bus): DeCamp Bus No. 66 leaves from the Port Authority Bus Terminal; get off at Mt. Hebron and Valley roads, turn right (north) on Valley, and walk one block to the Normal Avenue traffic light, then turn left to campus entrance.

Newark: NJ Transit Bus No. 28 originates at Macy's, Washington and Hill streets, and terminates its run on campus.

Paterson: NJ Transit Bus No. 72 originates at Broadway Terminal, Paterson, and goes to Broad Street, Bloomfield. Change to No. 28 at Bloomfield Center.

The Oranges: Take One Bus Co. No. 44 to Main and Day streets in Orange. Connect to NJ Transit Bus No. 92 to Glenwood and Bloomfield avenues. Change to NJ Transit Bus No. 28

Passaic: NJ Transit Bus No. 705 originates at Main Street and Passaic Avenue in Passaic and travels through Clifton to Montclair State University.

Wayne: NJ Transit Bus 705 originates at Willowbrook Mall and ends its run on campus.

*Subject to change without notice. Information available from New Jersey Transit, 800-772-2222.



PARKING

- Faculty & Staff
- Visitor
- Faculty & Staff
- Delivery & Visitor (metered)
- Faculty & Staff
- Visitor
- Faculty & Staff
- Student

BUILDINGS

- Undergraduate Admissions**
- Alumni Green
- Alumni House
- Architectural & Engineering Services
- Bohn Hall
- Blanton Hall
- Bond House
- Broadcasting
- Calcia Hall
- Cogeneration Plant**
- Chapin Hall
- Clove Road Apartments
- Center for Continuing Education
- College Hall
- Dickson Hall
- Drop-In Center
- Field House
- Finley Hall

- Freeman Hall
- Gilbreth House
- Global Education Center
- IAPC
- Sprague Library
- Life Hall
- Maintenance
- McEachern Hall
- Memorial Auditorium

- Mallory Hall
- Morehead Hall
- Newman House
- Partridge Hall
- President's House
- Psychoeducational Center
- Panzer Gymnasium
- Richardson Hall
- Russ Hall & Admissions

- Safety & Security
- Student Center
- Speech Building
- Stone Hall/Child Care Center
- Science Hall
- Webster Hall



Office of Admissions
Upper Montclair, New Jersey 07043

JUDITH L HUNT
LIBRARY

Bulk Rate
U.S. Postage
PAID
Montclair, NJ
Permit No. 102

Montclair!

MONTCLAIR STATE UNIVERSITY
UNDERGRADUATE CATALOG 2002-2004



Montclair State University at a Glance

Location:

247-acre campus, at the intersection of Valley Road and Normal Avenue, Upper Montclair, New Jersey (Essex County), one mile south of intersection of Valley Road and Route 46. Main entrance on Normal Avenue.

Background:

Established in 1908; is a state-assisted, coeducational, comprehensive public teaching university with a wide range of undergraduate and graduate programs and a commitment to excellence in instruction and research. Has offered Master of Arts programs since 1932, Master of Business Administration since 1981, Master of Education since 1985, Master of Science since 1992, Master of Fine Arts since 1998, and Doctor of Education since 1999.

Enrollment:

About 10,400 undergraduates and 3,450 graduate students in Fall 2001. Students come from all New Jersey counties, from other states, and from foreign countries. Approximately 2,200 live on campus with the remainder living in off-campus accommodations or commuting from home.

Faculty:

470 full-time faculty members.

Accreditation:

Accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, telephone 215-662-5606. For a complete statement on Accreditations and Memberships, refer to the Table of Contents for the page number.

Degrees Offered:

Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Education.

Facilities:

Twelve major academic buildings, including the new Science Hall, which opened Fall 1999, student center building, library, gymnasium with pool and fitness center, playing fields, administration building, Yogi Berra Stadium and Museum, Floyd Hall Ice Arena, and housing for 2,200 students in residence halls and apartments.

Costs:

Annual tuition and fees (2002-2003): \$5,773-new student, \$5,391-returning student, (based on 30 semester hours, undergraduate, New Jersey resident). Annual room and board 2001-2002: \$8,538 (based on a single room and maximum meal plan). Rates are subject to change without notice.

Financial Aid:

Some form of aid is provided to approximately 70 percent of qualified full-time undergraduate students. Aid is available as loans, grants, employment and a small number of scholarships. Part-time undergraduate students are also eligible for some programs. Assistance, primarily loans, is also available for eligible graduate students.

Montclair State University is an equal opportunity/affirmative action institution. In compliance with relevant federal and state civil rights legislation, Montclair State does not discriminate on the basis of gender, race, color, religion, national origin, age, affectional or sexual orientation, or physical capability in the operation of its educational program and activities (admission, access to programs and course offerings, competitive and intramural athletics, counseling, student and other employment, use of facilities, and campus sponsored extracurricular activities). Inquiries relating to equal opportunity/affirmative action issues may be directed to the offices of Student Development and Campus Life or Equal Opportunity/Affirmative Action.

Montclair State University recognizes its responsibility to foster an atmosphere of respect, understanding and good will among all individuals and groups, with special sensitivity to those most likely to be subjected to disrespect, abuse and misunderstanding because of their race, ethnicity, religion, gender, sexual preference, age or disabling condition. The goal is to create an unbiased community where all individuals feel free to express themselves in ways that are appropriate in a multi-ethnic and multi-cultural society, and to pursue their work and study in an atmosphere that values individuality and diversity. Underlying this statement is a respect for differences of opinion and freedom of speech. We must be diligent, however, to assure that differences do not degenerate into name-calling or insulting of individuals or groups. Such behavior can be destructive of courtesy and civility and endangers the environment needed for engaging in productive dialogue. Montclair State condemns any behavior that devalues persons and endangers the learning and work environment. Such behavior includes, but is not limited to, threats or acts of physical violence, verbal abuse, harassment, and discrimination. Montclair State encourages the practice of this human relations statement in every aspect of campus life.

Montclair State University is subject to NJSA 26:3D-15 through 21 (Health and Vital Statistics) on smoking in public places. In compliance with this law, the President approved a smoking regulation that was endorsed by the Montclair State Senate on October 27, 1993 upon the recommendation of the ad hoc Smoking Cessation Committee. The regulation prohibits the smoking or carrying of lighted cigars, cigarettes, pipes, or any matter or substance that contains tobacco in all indoor spaces on the Montclair State campus. Indoor smoking is permitted only in private, fully-enclosed student residence hall rooms. If the room is jointly occupied, smoking is permitted only by consensus of all individuals occupying the room. Any member of the campus community may ask an individual to comply with the provisions of this regulation or may file a complaint with University Police and Security, who may issue a summons. Any individual who fails to comply is subject to a fine (typically \$25-\$200) as determined by the local court where the summons is filed.

The Undergraduate Catalog of Montclair State University is published biennially and presents announcements of general information, general academic regulations, and the academic program extant at the date of publication. Montclair State reserves the right to change any of its announcements, regulations or requirements at any time without notice or obligation. The Office of Academic Affairs is responsible for the preparation of the content of this publication.

Undergraduate Catalog 2000-2002



Montclair State University

(973) 655-4000

(800) 624-7780

Web-site: www.montclair.edu

Admissions

Russ Hall

(973) 655-4444

(800) 331-9205

FAX (973) 655-7700

E-mail: undergraduate.admissions@montclair.edu

Financial Aid

321 College Hall

(973) 655-4461

Web-site: www.montclair.edu/financialaid

E-mail: financialaid@montclair.edu

Registrar

204 College Hall

(973) 655-4376

FAX (973) 655-7371

Web-site: www.montclair.edu/registrar

E-mail: registrar@montclair.edu

Residence Life

411 Bohn Hall

(973) 655-5188

FAX (973) 655-5400

Table of Contents

About Montclair State University	1
Statement on the Undergraduate Program	3
Degree Programs and Concentrations	4
Accreditations and Memberships	7
Colleges and Schools of the University	8
Academic Calendar	11
Admissions.....	14
Tuition and Fees	16
Resources and Facilities	17
Division of Student Development and Campus Life	22
Academic Success Center	22
Admissions	24
Dean of Students	24
Financial Aid	26
Residence Life	27
Student Center	27
Student Activities	27
University Police Department	29
Academic Policies and Procedures.....	31
Requirements for Undergraduate Degree	39
Legend of Alpha Course Codes	59

ACADEMIC PROGRAMS AND DEPARTMENTS

Accounting, Law, and Taxation Department	61
Anthropology Department	63
Art and Design Department	67
Biology and Molecular Biology Department	76
Broadcasting Department	83
Chemistry and Biochemistry Department	85
Classics and General Humanities Department	88
Communication Sciences and Disorders Department	92
Communication Studies Department	93
Computer Science Department	96
Counseling, Human Development and Educational Leadership Department	99
Curriculum and Teaching Department	100
Early Childhood and Elementary Education Department	101
Earth and Environmental Studies Department	102
Economics and Finance Department	108
Educational Foundations Department	112
English Department	113
French, German, and Russian Department	119
General Humanities Major	125
Health Professions, Physical Education, Recreation, and Leisure Studies Department	127
History Department	136
Human Ecology Department	140
Information and Decision Sciences Department	147
Justice Studies Major	151
Legal Studies Department	154
Linguistics Department	158
Literacy and Educational Media Department	163
Management Department	165
Marketing Department	167
Mathematical Sciences Department (includes Physics)	171
Music Department	177
Philosophy and Religion Department	188
Political Science Department	192

Psychology Department	196
Sociology Department	200
Spanish/Italian Department	204
Theatre and Dance Department	210
Women's Studies Major and Minor	217

INTERDISCIPLINARY MINORS

African-American Studies	219
Archaeology	220
Cognitive Science	220
Criminal Justice	221
Film	221
International Studies	222
Latin American and Latino Studies	223

OTHER PROGRAMS

Combined Bachelor of Science/Doctor of Medicine Degree and Combined Bachelor of Science/Doctor of Dental Medicine Degree	225
Center for Professional and Continuing Education	226
Experiential Education Courses and Programs (Cooperative Education)	226
Health Careers Program	228
Honors Program	229
New Jersey School of Conservation	230
Special Education	231
Teacher Education	232

Appendix of Scholarships and Awards	234
Administration and Faculty	246
Index	256

Directions to Campus	260
Map of Campus	inside back cover



About Montclair State University

The second largest university in New Jersey, Montclair State offers the advantages of a large university—a broad undergraduate curriculum with a global focus, a wide variety of superior graduate programs and a diverse faculty and student body—combined with a small college's attention to students. Montclair State's outstanding faculty is committed to learning through creative teaching informed by scholarship and service. All programs foster critical thinking, understanding and problem-solving, preparing students for lifelong learning.

The University is in the midst of an ambitious \$157-million expansion program that will enable it to accommodate an additional 4,500 students by 2008, the year of its centennial. The first element, Science Hall, opened in 1999. As home to the Department of Biology and Molecular Biology, the Health Careers Program, and the Biochemistry program, Science Hall offers students state-of-the-art access to courses that will help them assume leadership roles in research, medicine and other areas of applied sciences.

The Graphic Design MacLab in Finley Hall, the result of a partnership between the university's graphic design faculty and Information Technology personnel, opened in the spring of 2001. Called by Apple Computer the most technologically advanced graphic design facility in the state of New Jersey, it contains a teaching lab, a studio and a print and production studio.

Montclair State made history on October 23, 2001, when the Red Hawk Diner opened its doors: The diner is believed to be the first in the nation to be built on a college campus. Located behind the Student Center, the 2,775-square-foot diner seats 119 people and is open 24-7.

Our new parking garage will be capable of accommodating 1,100 vehicles and underscores MSU's commitment to students whose options don't include living on campus, as well as to community residents who visit the campus for cultural and other events. Adjacent to the new parking facility, and facing the campus's historic amphitheatre, will be the University's new 500-seat theatre. The 45,000-square-foot facility will be used extensively by MSU's music program, as well as the theatre and dance programs. It will serve as the setting for many of the University's cultural performances and will be an important resource for the community. In addition, the facility will be used by school-aged children from MSU's Music Preparatory Program, as well as musicians studying at the new Music Institute, which will be housed in the theatre's lower level, alongside the unique Harry Partch Instrument Collection.

Several other projects are in the design state.

- Four new undergraduate residence halls will provide housing for close to 900 students, allowing the University to increase the number of students able to live on campus. The residence halls will be constructed on a recently acquired 30-acre site on Clove Road.
- The Children's Center will house under one roof two of Montclair State University's most highly respected and nationally recognized children's programs, the Psychoeducational Center and the Child Care Center, uniting typical preschoolers with special-needs stu-

dents to create a unique facility for both children and educators. The 27,000-square-foot building will be located at the northern edge of campus and will have the capacity to serve up to 500 children each year.

- A \$45-million state-of-the-art instructional building will serve as the home of the College of Education and Human Services as well as Information Technology. Included will be the Center for Teacher Preparation and Learning Technologies, which will allow Montclair State to double the capacity of its teacher preparation programs and provide expanded access to continuing professional development for educators.

With more than 250 majors, minors and concentrations, and the nation's only doctorate in pedagogy, MSU provides a comprehensive array of academic programs while remaining accessible and affordable. Through its six schools and colleges—the College of Humanities and Social Sciences, the College of Science and Mathematics, the College of Education and Human Services, the School of the Arts, the School of Business and the School of Graduate, Professional and Continuing Education—Montclair State University prepares its students to lead productive and rewarding lives, and to participate responsibly in civic society.

Montclair State provides a superb undergraduate program based in the arts and sciences; a rigorous but flexible master's program designed to provide the specific skills needed to apply knowledge to real-life situations; and an Ed.D. in pedagogy for those educators who are committed to teaching excellence and educational renewal. With concentrations in mathematics education and philosophy for children, this doctoral program is the only one of its kind in the nation.

Montclair State's strong commitment to public service is evidenced by its wide variety of noncredit programs offered to varied constituencies. Each year, more than 1,200 academically gifted youngsters take part in advanced instructional programs offered weekends and during the summer on campus, and close to 500 talented children receive instruction through the Preparatory Center for the Arts. The School of Conservation, a 240-acre facility in Stokes State Forest which is one of the largest university-operated environmental education centers in the world, provides two-to-five-day programs for about 10,000 elementary and secondary school students from around the state. The Center for Continuing Education serves the immediate and long range education and training needs of business and industry, community organizations, governmental agencies and individual learners through credit and no-credit courses, certificates, and programs available on and off campus. The University's Service Learning Program, in which students work with community groups throughout the area as part of their academic course work, has provided services to several communities in the area.

From its founding in 1908, the history of Montclair State University has been one of change, growth and distinction. Proud of its heritage and prepared to respond to the challenges and opportunities of the twenty-first century, Montclair State continues to be a major contributor to the cultural, economic and educational life of the region.



Statement on the Undergraduate Program

The Board of Trustees of Montclair State University reaffirms its belief that the liberal arts and sciences form the essential basis of an undergraduate program of higher education.

In an era of decreasing resources, diminished public support, and increased popular interest in vocationalism, there are strong pressures to succumb to temporary concerns, and in doing so to lose sight of the enduring and essential purpose of a university education. There are also economic and political forces which, if not constrained by thoughtful response, threaten the integrity of academic processes and the quality of academic standards of institutions of higher education everywhere.

The Board of Montclair State University believes that the institution has the special purpose of contributing to, critically examining, preserving and transmitting the culture of our society to succeeding generations, and that the protection of this purpose is the public trust for which we are primarily responsible. We believe that the progress of Montclair State University towards this goal has been exemplary, and in particular we applaud the steps already taken by the faculty and administration to maintain and enhance these values. Consistent with the policy and planning function of the Board, however, we believe that faculty and administration efforts might be enhanced by an understanding of what the Board sets forth as a vision of the undergraduate program:

1. a rigorous and comprehensive program of general education required of all students which includes not only advanced learning skills and preparation for effective citizenship, but which also fosters an appreciation of a shared human heritage leading to the enhancement of the quality of both personal and community life;
2. an enrollment reflecting a balance between those students majoring in liberal arts programs, and those in professional and career programs which in addition to their own strengths, are soundly rooted in and related to the strengths of our liberal arts departments;
3. support programs which assist underprepared students who share our goals to meet the demanding standards of which we think they are capable if suitably challenged, excited and educated;
4. ongoing processes of program review and evaluation in which the joint efforts of faculty, administration and Board ensure maintenance of the highest standards of quality;
5. a diverse student body reflecting different cultural and social backgrounds, but united by a common commitment to the academic values for which Montclair State University stands;
6. programs which strengthen the efforts of an able and dedicated faculty and which support the scholar's continuing need for intellectual and personal renewal.

In setting these general goals, the Board recognizes the difficult economic and political environment likely to face higher education in the future, and that many other institutions have chosen to confront these challenges in a manner different from our own. We believe, however, that the need to create a distinctive mission and climate for Montclair State University and to prepare students fully for an uncertain but clearly difficult future requires us to make this commitment.

It is the Board's intent to view its future consideration of new policies and programs within the context of this statement.

Montclair State University Majors, Concentrations, and Minors*

UNDERGRADUATE MAJORS AND CONCENTRATIONS AT THE BACCALAUREATE LEVEL

Allied Health Services major	B.S.
Anthropology major	B.A.
Athletic Training major	B.S.
Biochemistry major	B.S.
Biology major	B.S.
Biology major, Environmental Science concentration	B.S.
Broadcasting major	B.A.
Business Administration major, Accounting concentration	B.S.
Business Administration major, Economics concentration	B.S.
Business Administration major, Finance concentration	B.S.
Business Administration major, International Business concentration	B.S.
Business Administration major, Management concentration	B.S.
Business Administration major, Management Information Systems concentration	B.S.
Business Administration major, Marketing concentration	B.S.
Business Administration major, Office Systems Administration concentration	B.S.
Business Administration major, Quantitative Methods concentration	B.S.
Business Administration major, Retail Merchandising and Management concentration	B.S.
Business Education major	B.S.
Chemistry major	B.S.
Classics major	B.A.
Computer Science major	B.S.
Computer Science major, Informatics concentration	B.S.
Computer Science major, Professional Computing concentration	B.S.
Dance major	B.F.A.
Economics major	B.A.
Economics major, Business Economics concentration	B.A.
English major	B.A.
English major, Creative Writing concentration	B.A.
Fine Arts major, Art History concentration	B.A.

Fine Arts major, Fine Arts Education concentration	B.A.
Fine Arts major, Studio concentration	B.A.
Fine Arts/Studio major	B.F.A.
French major, French Civilization concentration	B.A.
French major, Translation concentration	B.A.
General Humanities major	B.A.
Geography major	B.A.
Geography major, Urban Studies concentration	B.A.
Geoscience major	B.S.
Geoscience major, Environmental Science concentration	B.S.
Health Education major	B.S.
Health Education major, Community Health Services concentration	B.S.
History major	B.A.
Human Ecology major, Consumer Affairs concentration	B.A.
Human Ecology major, Family and Child Studies-Child Life Specialist concentration	B.A.
Human Ecology major, Family and Child Studies- Early Childhood concentration	B.A.
Human Ecology major, Family and Child Studies- Early and Middle Childhood concentration	B.A.
Human Ecology major, Family and Child Studies- Family Services concentration	B.A.
Human Ecology major, Family and Child Studies- Gerontology concentration	B.A.
Human Ecology major, Fashion Studies concentration	B.A.
Human Ecology major, Food and Nutrition-Dietetics concentration	B.S.
Human Ecology major, Food and Nutrition-Food Technology concentration	B.S.
Human Ecology major, Food and Nutrition-General concentration	B.S.
Human Ecology major, Foodservice Management concentration	B.S.
Human Ecology major, Home Economics Education concentration	B.A.
Italian major	B.A.
Justice Studies major, Child Advocacy concentration	B.A.
Justice Studies major, Justice Systems concentration	B.A.
Justice Studies major, Paralegal Studies concentration	B.A.
Latin major	B.A.
Linguistics major	B.A.
Mathematics major	B.S.

Mathematics major, Applied Mathematics concentration B.S.
Molecular Biology major B.S.
Music major, Music Education concentration B.A.
Music major, Performance concentration B.Mus.
Music major, Theory/Composition concentration B.Mus.
Music (Five-year combined undergraduate program
culminating with the award of both the
B.Mus. and B.A. degrees) B. Mus.,B.A.
Music Therapy major B.A.
Philosophy major B.A.
Physical Education major B.S.
Physical Education major, Adult Fitness concentration B.S.
Physics major B.S.
Political Science major B.A.
Practical Anthropology major (Five-year combined
undergraduate and graduate program culminating with
the award of both the B.A. and M.A. degrees) B.A.,M.A.
Psychology major B.A.
Recreation Professions major,
Commercial Recreation and Tourism concentration B.S.
Recreation Professions major,
Therapeutic Recreation concentration B.S.
Religious Studies major B.A.
Sociology major B.A.
Spanish major B.A.
Spanish major, Translation concentration B.A.
Speech Communication major B.A.
Theatre major, Acting concentration B.F.A.
Theatre major, Production/Design concentration B.F.A.
Theatre Studies major B.A.
Women's Studies major B.A.

UNDERGRADUATE MINORS AT THE BACCALAUREATE LEVEL

African-American Studies
Anthropology
Archaeology
Biology
Chemistry
Classics
Cognitive Science
Computer Science
Criminal Justice

Dance
Economics
Educational Policy Studies
English
Film
French
Geoscience
German
Greek
Health Studies
Hispanic Community Affairs
History
Human Services
International Studies
Italian
Journalism
Latin
Latin American and Latino Studies
Linguistics
Mathematics
Music
Musical Theatre
Paralegal Studies
Philosophy
Physics
Political Science
Portuguese
Pre-Law Studies
Psychology
Public Administration
Reading
Religious Studies
Russian
Russian Area Studies
Sociology
Spanish
Speech Communication
Theatre
Urban Studies
Women's Studies

GRADUATE MAJORS AND CONCENTRATIONS

AT THE MASTER'S LEVEL

Administration and Supervision major	M.A.	Education major	M.Ed.
Administration and Supervision major, Educator Trainer concentration	M.A.	Education major, Critical Thinking concentration	M.Ed.
Applied Linguistics major	M.A.	Education major, Philosophy for Children concentration	M.Ed.
Applied Sociology major	M.A.	Educational Psychology major	M.A.
Biology major	M.S.	Educational Psychology major, Child/Adolescent Clinical Psychology concentration	M.A.
Biology major, Biology Science Education concentration	M.S.	Educational Psychology major, Clinical Psychology for Spanish-English Bilinguals concentration	M.A.
Biology major, Molecular Biology concentration	M.S.	English major	M.A.
Business Administration major	M.B.A.	Environmental Studies major, Environmental Education concentration	M.A.
Business Administration major, Accounting concentration	M.B.A.	Environmental Studies major, Environmental Health concentration	M.A.
Business Administration major, Business Economics concentration	M.B.A.	Environmental Studies major, Environmental Management concentration	M.A.
Business Administration major, Finance concentration	M.B.A.	Environmental Studies major, Environmental Science concentration	M.A.
Business Administration major, International Business concentration	M.B.A.	Fine Arts major, Art History concentration	M.A.
Business Administration major, Management concentration	M.B.A.	Fine Arts major, Studio concentration	M.A.
Business Administration major, Management Information Systems concentration	M.B.A.	French major	M.A.
Business Administration major, Marketing concentration	M.B.A.	Geoscience major	M.S.
Business Education major	M.A.	Health Education major	M.A.
Chemistry major	M.S.	Human Ecology major, Family Life Education Concentration	M.A.
Communication Sciences and Disorders major, Early Childhood Special Education concentration	M.A.	Human Ecology major, Family Relations-Child Development concentration	M.A.
Communication Sciences and Disorders major, Learning Disabilities concentration	M.A.	Human Ecology major, Home Economics Education concentration	M.A.
Communication Sciences and Disorders major, Speech-Language Pathology concentration	M.A.	Human Ecology major, Home Management-Consumer Economics concentration	M.A.
Communication Studies major, Organizational Communication concentration	M.A.	Human Ecology major, Nutrition Education concentration	M.A.
Communication Studies major, Public Relations concentration	M.A.	Legal Studies major	M.A.
Communication Studies major, Speech Communication concentration	M.A.	Legal Studies major, Dispute Resolution concentration	M.A.
Computer Science major	M.S.	Legal Studies major, Legal Management, Information, and Technology concentration	M.A.
Computer Science major, Applied Mathematics concentration	M.S.	Mathematics major, Computer Science concentration	M.S.
Computer Science major, Applied Statistics concentration	M.S.	Mathematics major, Mathematics Education concentration	M.S.
Computer Science major, Informatics concentration	M.S.	Mathematics major, Pure and Applied Mathematics concentration	M.S.
Counseling, Human Services and Guidance major	M.A.	Mathematics major, Statistics concentration	M.S.
Counseling, Human Services and Guidance major, Human Services concentration	M.A.	Music major, Music Education concentration	M.A.
		Music major, Music Therapy concentration	M.A.
		Music major, Performance concentration	M.A.
		Music major, Theory Composition concentration	M.A.

Physical Education major,	
Coaching and Sports Administration concentration	M.A.
Physical Education major, Exercise Sciences concentration ...	M.A.
Physical Education major, Teaching and Supervision	
of Physical Education concentration	M.A.
Practical Anthropology major (Five-year combined	
undergraduate and graduate program culminating with	
the award of both the B.A. and M.A. degrees)	B.A., M.A.
Psychology major	M.A.
Psychology major,	
Industrial and Organizational Psychology concentration ...	M.A.
Reading major	M.A.
Social Sciences major, Anthropology concentration	M.A.
Social Sciences major, Economics concentration	M.A.
Social Sciences major, History concentration	M.A.
Spanish major	M.A.
Speech and Theatre major, Theatre concentration	M.A.
Statistics major	M.S.
Studio Art major	M.F.A.
Teaching major (plus a subject field)	M.A.T.
Teaching major,	
Teaching Middle School Philosophy concentration	M.A.T.

POST-GRADUATE MAJORS AND CONCENTRATIONS AT THE DOCTORAL LEVEL

Education major,	
Pedagogy (Mathematics Education) concentration	Ed.D.
Education major,	
Pedagogy (Philosophy for Children) concentration	Ed.D.

**Certification and certificate programs are offered. Check index for reference to appropriate sections of catalog.*

Accreditations and Memberships

Montclair State University is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, telephone 215-662-5606. In addition, the National Council for the Accreditation of Teacher Education has granted accreditation for the preparation of elementary and secondary school teachers as well as administrative and school service personnel. Those programs leading to certification are approved by the New Jersey Department of Education using the standards of the National Association of State Directors of Teacher Education and Certification.

Other academic accreditations include AACSB International-The Association to Advance Collegiate Schools of Business (baccalaureate and graduate degree programs in business, School of Business), American Association of Family and Consumer Sciences, (Department of Human Ecology, College of Education and Human Services), American Speech-Language-Hearing Association (Department of Communication Sciences and Disorders, College of Humanities and Social Sciences), National Association of Schools of Art and Design (Department of Art and Design, School of the Arts), National Association of Schools of Dance (Department of Theatre and Dance, School of the Arts), National Association of Schools of Music (Department of Music, School of the Arts), and National Association of Schools of Theatre (Department of Theatre and Dance, School of the Arts). The undergraduate concentration in Professional Computing offered by the Department of Computer Science, College of Science and Mathematics, is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).

In addition, the Master's degree, concentration in Early Childhood Special Education offered through the Department of Curriculum and Teaching, College of Education and Human Services, has been approved as meeting the Council for Exceptional Children/National Council for the Accreditation of Teacher Education Specialty Guidelines for special education; the Bachelor of Science degree program in Human Ecology, concentration in Food and Nutrition-Dietetics, and the approved Preprofessional Practice Program (AP4), offered by the Department of Human Ecology, College of Education and Human Services, have been approved by the American Dietetic Association; the Master of Arts degree program in Communication Sciences and Disorders, concentration in Speech-Language Pathology, offered by the Department of Communication Sciences and Disorders, College of Humanities and Social Sciences, has been approved for the preparation of professional personnel in Special Education by the Council for Exceptional Children; the undergraduate minor in Paralegal Studies offered by the Department of Legal Studies, College of Humanities and Social Sciences, has been approved by the American Bar Association; programs offered by the Department of Chemistry and Biochemistry, College of Science and Mathematics, have been approved by the American Chemical Society; and the undergraduate program in Music Therapy offered by the Department of Music, School of the Arts, has been approved by the National Association for Music Therapy.

Montclair State University is a member of the American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Council on Education, Association of American Colleges, Association for Gerontology in Higher Education, Council of Graduate Schools in the United States, National Association of State Universities and Land-Grant Colleges, National Network for Educational Renewal and the Holmes Partnership, New Jersey Association of Colleges and Universities, New Jersey Association of Colleges for Teacher Education, North American Association of Summer Sessions, and Northeastern Association of Graduate Schools. Women graduates of Montclair State University are accepted for membership in the American Association of University Women.

Colleges and Schools

College of Education and Human Services

Dean: Ada Beth Cutler, Ed.D.

Associate Dean: Perry Greene, Ph.D.

Assistant Dean: Leslie E. Jenkins, M.A.

The College of Education and Human Services prepares students for professional careers in private industry, government agencies, non-profit organizations, and public and private schools. All programs in the College are firmly grounded in the liberal arts, and include an opportunity for field based internships. Graduate degree programs are offered by all departments. In its instructional programs, the College prides itself on highly qualified faculty members who maintain close contact with their disciplines and professions, who contribute regularly to scholarship, and who are excellent teachers dedicated to giving personal attention to all students. The application of appropriate instructional technology permeates all programs.

The University's Center of Pedagogy, in which the College of Education and Human Services plays a major role, is responsible for the coordination of the award winning teacher education program. The University's program is informed by its long standing participation in the Agenda for Education in a Democracy and the National Network for Educational Renewal, founded by John Goodlad, its participation in the National Education Association's Teacher Education Initiative, and its membership in the Holmes Partnership. The New Jersey Network for Educational Renewal at Montclair State University is a highly developed school-university partnership which includes more than twenty school districts which are the primary sites for field experiences.

For our programs in food science, dietetics, consumer science, fashion studies, and recreation and leisure studies, extensive contacts and partnerships with the appropriate industries in the region and nation are maintained. The College operates on the premise that it has an obligation to be a partner in the ongoing renewal of the professions for which it prepares students.

Through all its work, the College maintains a commitment to bettering the lives of those living in the region, and a commitment to teaching for critical thinking, the promotion of democratic citizenship and to social justice. The College maintains an Office of the Agenda for Education in a Democracy to promote these ends. As part of this commitment, programs to maintain and extend diversity among students and faculty are a high priority.

Departments within the College are:

COUNSELING, HUMAN DEVELOPMENT AND
EDUCATIONAL LEADERSHIP
CURRICULUM AND TEACHING
EARLY CHILDHOOD AND ELEMENTARY EDUCATION
EDUCATIONAL FOUNDATIONS
HEALTH PROFESSIONS, PHYSICAL EDUCATION,
RECREATION AND LEISURE STUDIES
HUMAN ECOLOGY
LITERACY AND EDUCATIONAL MEDIA

College of Humanities and Social Sciences

Dean: Richard J. Gigliotti, Ph.D.

Associate Dean: William Rosa, Ph.D.

Assistant Dean: Dorothy G. Rogers, Ph.D.

In the College of Humanities and Social Sciences (CHSS), traditional liberal studies serve as the foundation of a university education. The college's curriculum emphasizes the development of analytic skills, communication skills and social understanding. Our students can study the traditional liberal studies, such as philosophy and literature, along with courses on the vanguard of contemporary developments, such as cultural studies, cognitive science, and film studies. Degrees in this college are recognized as excellent preparation for any number of careers, or for professional and graduate study.

The College of Humanities and Social Sciences provides students with several applied study options: internships, apprenticeships, and field study programs. Many departments offer clinical training or professional certificate programs, including teacher certification. A growing number of CHSS faculty offer service-learning courses, in which coursework is linked to community development projects.

A highlight of CHSS is its interdisciplinary programs, each of which allows students to explore a theme or area of interest from a number of perspectives. Students interested in Latin American issues, for example, can study Latino history and literature as well as the sociological and psychological factors that affect cultural identity. All of the interdisciplinary programs in CHSS provide students with a unique educational opportunity - for integrated study beyond the bounds of any one discipline.

Foreign language programs in the College offer excellent opportunities for students to immerse themselves in another language and culture through our study abroad programs. Typically, the college offers several such programs each year, in places such as London, Nice, Madrid, Siena, and Guadalajara.

Faculty in the college are leaders in the use of educational technology at Montclair State University. In addition to using in-class technology, such as computer-aided instruction and innovative software, many faculty supplement their courses with some form of web-based learning. Some courses are taught entirely on the web or via live synchronous learning.

The courses of study within the College of Humanities and Social Sciences have been at the core of the educational enterprise at MSU since it was established nearly one hundred years ago. The college continues to focus its energies, grow, develop, and change, in order to provide students with the very best in the liberal arts and social science traditions. We believe this is what keeps our programs dynamic and our foundational approach to education solid.

Departments within the College are:

ANTHROPOLOGY
CLASSICS AND GENERAL HUMANITIES
COMMUNICATION SCIENCES AND DISORDERS
ENGLISH
FRENCH, GERMAN, AND RUSSIAN
HISTORY
LEGAL STUDIES
LINGUISTICS
PHILOSOPHY AND RELIGION
POLITICAL SCIENCE
PSYCHOLOGY
SOCIOLOGY
SPANISH/ ITALIAN

College of Science and Mathematics

Dean: Robert S. Prezant, Ph.D.

Associate Dean: Michael A. Kruege, Ph.D.

Assistant Dean: Jinan Jaber-Linsalata, Ph.D.

Programs within the College of Science and Mathematics (CSAM) provide a sound foundation for careers in industry, government, medicine, dentistry and other health professions, as well as for post-baccalaureate studies in graduate or professional schools. Programs leading to teacher certification are also available in appropriate fields.

Under the direction of knowledgeable and dedicated faculty mentors, students have access to unusually extensive facilities and state-of-the-art equipment including scanning and transmission electron microscopes, a cell culture laboratory, an animal room, greenhouse, scintillation counters, Fourier transform nuclear magnetic resonance spectrometers, gas chromatograph/mass spectrometers and X-ray diffraction spectrometers. Undergraduate research programs and internships provide students with numerous opportunities to "do science".

Since scientific computing has unique requirements, the College supports its own local area network (Sci Net). Sci Net consists of a number of state-of-the-art RISC SUN workstations and servers, DEC microVAXen, graphic workstations, IBM PCs and Apple Macintosh microcomputers. Through networking, students in all the College of Science and Mathematics departments have access to national and international computer networks and bulletin boards.

The New Jersey School of Conservation (SOC), located on 240 acres of state forest in northwestern New Jersey, is a part of the CSAM. The SOC is the oldest and largest residential environmental field center operated by a university in the world. Annually, about 10,000 school children, their teachers and undergraduate and graduate students from various colleges and universities participate in courses and workshops offered at the SOC. Faculty at SOC and on-campus work together on a number of initiatives in the utilization of the SOC as an environmental laboratory. In addition, the CSAM is a member of the New Jersey marine Sciences Consortium and has access to the marine laboratory facilities in Sandy Hook, NJ.

A number of programs leading to degrees are administered in the College including: Biology, Biochemistry, Chemistry, Computer Science, Geography, Geosciences, Mathematics, Molecular Biology and Physics. A degree program in Science Informatics is pending and hopefully will be available in the very near future. In addition, the College houses the Health Careers Program, designed to increase career opportunities for the underrepresented in science.

For pre-professional students, there are also seven-year programs offered jointly by Montclair State University and the University of Medicine and Dentistry-NJ (UMDNJ) leading to the BS degree at Montclair State and either the Doctor of Medicine or the Doctor of Dental Medicine degree at UMDNJ. In addition, an eight-year joint program for the BS degree from Montclair State and the Doctor of Medicine degree at UMDNJ for students enrolled in the Health Careers Program in the College of Science and Mathematics is available. A student accepted into one of these three programs is assured of a place in the medical or dental school upon successful completion of program requirements at Montclair State. All students accepted in the seven-year program leading to the Doctor of Medicine degree must enroll in the Honors Program at Montclair State. For more information see the Special Programs section in this catalog.

Departments within the College are:

BIOLOGY AND MOLECULAR BIOLOGY
CHEMISTRY AND BIOCHEMISTRY
COMPUTER SCIENCE
EARTH AND ENVIRONMENTAL STUDIES
MATHEMATICAL SCIENCES

School of the Arts

Dean: Geoffrey W. Newman, Ph.D.

Assistant Dean: Ronald S. Sharps, Ph.D.

Designated as a Center of Excellence in the Fine and Performing Arts, Montclair State University continues its commitment to quality programs in art and education. Its School of the Arts offers graduate and undergraduate programs in fine arts, music, broadcasting, speech communication, dance, and theatre. In 1986, the School of the Arts was awarded the \$5.7 million Governor's Challenge for Excellence in the Arts Grant, the largest known arts program grant anywhere. The grant is designed to bridge the gap between the academic and the professional world and expands upon our already exciting arts curriculum and cultural program offerings.

In addition to the academic departments the School has a number of non-academic divisions whose mandate is to complement and enhance the curricular responsibilities of the departments. Much of the professional experiences in which students engage originate with one or more of these divisions: *TheatreFest*, the professional equity theatre-in-residence, produces a wide range of professional programs, from the development of new and innovative works to the staging of family favorites and Broadway revivals. *Arts Programming* complements both TheatreFest and Theatre Series with its own Great Events Series of national and international professional programs. The *DuMont Television Center* serves not only the production requirements of the Broadcasting Department but the MSU body at large. It is the recipient of numerous national awards, and is perhaps best known for the weekly program *Carpe Diem* which is well known throughout the New Jersey and New York region. *The Preparatory Center for the Arts*, which is administered through the Music Department, offers private instruction, ensemble participation, and theoretical instruction in music and dance to a large segment of the surrounding community. Many graduates of this program have gone on to nationally and internationally known music program, including MSU itself. The *Division of Galleries* offers national and international shows as well as student presentations. *The International Center for the Arts* has an increasing network of arts training programs, arts presenting venues and international artists and has been successful in obtaining internal funding support for its projects, developing working relationships and liaison with other University international services.

The School of the Arts provides professional training and education for students seeking careers in the arts, education, public service and management. It presents cultural events and offers courses and experiences in the arts for the enrichment of campus and community life. The resources of the School are taken to the community in the form of lectures, demonstrations and an equity resident theatre company (TheatreFest). The School seeks to stimulate public interest in the arts and to encourage research, creative work and experimentation in the arts.

Departments within the School are:

ART AND DESIGN
BROADCASTING
COMMUNICATION STUDIES
MUSIC
THEATRE AND DANCE

School of Business

Dean: Alan J. Oppenheim, Ph.D.

Associate Dean: Kathryn Martell, Ph.D.

Assistant Dean: Karen E. Dennis, M. Phil.

As a School of Business of a regional state university that provides quality education to a diverse student body, our goal is to graduate students who are immediately effective in cutting-edge business organizations. Our undergraduate programs are of primary importance. We prepare our students for entry and mid-level managerial positions, entry-level professional specializations, and entrepreneurial roles. Further, we equip them with the capacity to identify their own goals and proactively to manage their life-long career prospects. To prepare our students for these roles, we must assure their mastery of:

- Thinking skills: logical, critical and integrated analysis; the capacity to exercise good judgment; creative and nontraditional problem solving; and proficiency in ethical reasoning;
- Discipline-specific knowledge and competencies: e.g., information technology and quantitative skills appropriate to problem-solving in a real-world setting;
- Communication skills: proficiency in oral, written, presentation, and distance communication;
- Change management: understanding and shaping the forces of change, including globalization, and using this understanding to formulate, evaluate, and select from alternative strategies to achieve sustainable competitive advantage;
- Self-development: the capacity to engage in the effective self-management of lifelong learning to achieve continuous professional and personal growth.

The School provides three undergraduate degrees: BS in Business Administration; BS in Business Education; and a BA in Economics. The BS in Business Administration has the following ten concentrations available: Accounting, Economics, Finance, International Business, Management, Management Information Systems, Marketing, Office Systems Administration, Quantitative Methods, and Retail Merchandising and Management. The BS in Business Education prepares students for teaching in the secondary schools. The BA in Economics is offered as a major or minor. Internships and cooperative education experiences are available in many of the programs offered.

Departments within the School of Business are:

ACCOUNTING, LAW AND TAXATION
ECONOMICS AND FINANCE
INFORMATION AND DECISION SCIENCES
MANAGEMENT
MARKETING

School of Graduate, Professional and Continuing Education

Dean: Carla M. Narrett, Ph.D.

Associate Dean: Kristin Cohen, Ed.M.

The School of Graduate, Professional and Continuing Education has responsibility for all education at the post-baccalaureate level. Within the School of Graduate, Professional and Continuing Education, the Graduate School provides leadership and direction for the University's graduate programs. It strives to create a learning environment that will ensure the highest quality graduate programs in keeping with the university's overall mission of teaching, research, and public service. Working with the faculty, the Graduate School is committed to providing access to programs and services for qualified students of all racial, cultural, and ethnic backgrounds, and to meet the needs of the State of New Jersey and the region.

In concert with the Graduate Council, the Graduate School:

- continuously reviews the University's graduate programs and policies;
- establishes and maintains appropriate admission and academic standards;
- encourages student inquiry and critical thinking;
- provides enhanced levels of professional competence;
- fosters research and scholarly activity;
- supports interdisciplinary endeavors.

There are 35 different graduate degree programs leading to a range of degrees including the Doctor of Education, Master of Fine Arts, Master of Business Administration, Master of Arts, Master of Science, Master of Arts in Teaching and Master of Education.

The Center for Professional and Continuing Education engages a wide range of constituencies on and off campus to help shape and implement programs for working professionals seeking to advance or update their skills as well as members of the community interested in lifelong learning opportunities. The Center works with corporate and government clients as well as other regional employers. The Center develops collaborative arrangements with various groups and organizations to ensure that the university responds quickly and effectively to marketplace demands. Additionally, the Center directs the non-degree undergraduate program, including professional certificate programs.

Academic Calendar*

2002-2003

FALL SEMESTER 2002

Labor Day Holiday Monday, September 2
(No Classes)

Opening Day Tuesday, September 3
(No Classes)

Classes Begin Wednesday, September 4

University Day Wednesday, October 23
(Alternate Activities; No Classes)

Thanksgiving Holiday ... Thursday-Sunday, November 28-December 1
(No Classes)

Classes End

Evening/Weekend/Off-campus Courses: Thursday, December 12

Day Courses Friday, December 13

Examination Period

Evening/Weekend/Off-campus Courses: Friday-Thursday,
December 13-19

Day CoursesMonday-Friday, December 16-20

End of Semester Friday, December 20

SPRING SEMESTER 2003

Classes Begin Wednesday, January 15

Martin Luther King Holiday Monday, January 20
(No Classes)

Spring Recess Monday-Sunday, March 10-16
(No Classes)

University Day Wednesday, March 19
(Alternate Activities; No Classes)

Easter Holiday Friday-Sunday, April 18-20
(No Classes)

Thursday designated as a Monday Thursday, May 1

Classes End

Evening/Weekend and

Off-Campus Courses: Thursday, May 1
(designated as a Monday)

Day Courses Friday, May 2

Examination Period

Evening/Weekend/Off-Campus Courses:.. Friday-Thursday, May 2-8

Day Courses Monday-Friday, May 5-9

End of Semester Friday, May 9

Commencement Friday, May 23
(tentative)

***Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.**

SUMMER SESSIONS 2003

Pre-Session Monday, May 19-Thursday, June 5
(Three Weeks, No Friday Classes) (11 sessions)

Pre-Session Monday, May 19-Thursday, June 12
(Four Weeks, No Friday Classes) (15 sessions)

Twelve-Week Session Monday, May 19-Thursday, August 7
(No Friday Classes) (extended hours Monday, 11 sessions)

Memorial Day Holiday Monday, May 26
(No Classes)

Saturday Classes Saturday, June 7-August 9
(10 sessions)

Eight-Week Session Monday, June 16-Thursday, August 7
(No Friday Classes)

First Four-Week Session Monday, June 16-Thursday, July 10
(No Friday Classes)

Six-Week Session Monday, June 30-Thursday, August 7
(No Friday Classes)

Independence Day Holiday Friday, July 4
(No Classes)

Second Four-Week Session Monday, June 14-Thursday, August 7
(No Friday Classes)

Post-Session Monday, August 4-Thursday, August 21
(No Friday Classes) (12 sessions)

2003-2004

FALL SEMESTER 2003

Labor Day Holiday Monday, September 1
(No Classes)

Opening Day Tuesday, September 2
(No Classes)

Classes Begin Wednesday, September 3

University Day Wednesday, October 22
(Alternate Activities; No Classes)

Thanksgiving Holiday Thursday-Sunday, November 27-30
(No Classes)

Classes End

Evening/Weekend/Off-Campus Courses: Thursday, December 11

Day Courses Friday, December 12

Examination Period

Evening/Weekend/ and

Off-Campus Courses: Friday-Thursday, December 12-18

Day Courses Monday-Friday, December 15-19

End of Semester Friday, December 19

SPRING SEMESTER 2004

Classes Begin Wednesday, January 14

Martin Luther King Holiday Monday, January 19
(No Classes)

Spring Recess Monday-Sunday, March 8-14
(No Classes)

University Day Wednesday, March 17
(Alternative Activities; No Classes)

Easter Holiday Friday-Sunday, April 9-11
(No Classes)

Thursday designated as a Monday Thursday, April 29

Classes End

Evening/Weekend/Off-Campus Courses: Thursday, April 29
(designated as a Monday)

Day Courses Friday, April 30

Examination Period

Evening/Weekend and

Off-Campus Courses: Friday-Thursday, April 30-May 6

Day Courses Monday-Friday, May 3-7

End of Semester Friday, May 7

Commencement Friday, May 21
(tentative)

SUMMER SESSIONS 2004

Pre-Session Monday, May 17-Thursday June 3
(Three Weeks, No Friday Classes) (11 sessions)

Pre-Session Monday, May 17-Thursday June 10
(Four Weeks, No Friday Classes) (15 sessions)

Twelve-Week Session Monday, May 17-Thursday, August 5
(No Friday Classes) (extended hours Monday, 10 sessions)

Memorial Day Holiday Monday, May 31
(No Classes)

Saturday Classes Saturday, June 5-August 7
(10 sessions)

Eight-Week Session Monday, June 14-Thursday, August 5
(No Friday Classes)

First Four-Week Session Monday, June 14-Thursday, July 8
(No Friday Classes)

Six-Week Session Monday, June 28-Thursday, August 5
(No Friday Classes)

Independence Day Holiday Monday, July 5
(No Classes)

Second Four-Week Session Monday, July 12-Thursday, August 5
(No Friday Classes)

Post-Session Monday, August 2-Thursday, August-19
(No Friday Classes) (12 sessions)

*Montclair State University reserves the right to modify this calendar. Please refer to the current semester
Schedule of Courses booklet for the most recent published calendar information.



Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Upper Montclair, New Jersey 07043. Completed applications should be returned to this address accompanied by a \$40.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

Admission Requirements

Freshmen

1. An application should be completed and returned as early in the senior year as possible, but no later than March 1.
2. The Scholastic Assessment Test (SAT I) should be taken preferably in October, November or December, but not later than January of the senior year. The student should request that the College Board forward the results to Montclair State University (College Board Code number 2520). The ACT may be submitted in lieu of the SAT I.
3. The student is required to have a certificate of graduation from an approved secondary school. A High School Equivalency Certificate is acceptable. Sixteen subject units must be completed according to the following breakdown:

English	4
Social Studies	2
Mathematics* (Algebra I, Geometry, Algebra II)	3
Science (laboratory)	2
Foreign Language (same foreign language)	2
Electives (in English, social studies, science, math or foreign language)	3
Total	16

*Admission to computer science requires 4 years of mathematics including trigonometry. Admission to business administration requires Algebra II.

4. Students who wish to enter a specialized field of study are assumed to have prepared for it during the high school years. Achievement scores, though not required, are useful in demonstrating area strength and may be submitted with application materials. Admission to the departments of Art and Design, Broadcasting, Communication Studies, Music, or Theatre and Dance or to the Athletic Training program in the Department of Health Professions, Physical Education, Recreation and Leisure Studies is gained through departmental tests, auditions, or interviews. Admission to Montclair State University does not guarantee acceptance into a particular department or major.
5. Application and admission dates for full-time freshmen:

Admission for:	Completed application on file by:
Fall semester	March 1
Spring semester	October 15
6. Accepted full-time students are required to pay a non-refundable \$150 fee by May 1 to hold their places in the class.
7. Freshman candidates desiring part-time admission follow the application dates listed under Part-Time Students.

Transfer Students

1. Approximately one-third of new students entering Montclair State University each year have attended another college or university.

To be eligible for *consideration* for transfer admission, a student is required to have completed a minimum of 15 college level credits with at least a 2.00 (C) average at another accredited college. In recent years, however, the minimum grade point average (g.p.a.) has been about 2.5. Specific academic programs may have additional requirements.

Please note: All transfer applicants must have completed freshman English Composition before admission to Montclair State University. Transcripts of high school and each college previously attended are to be forwarded to Montclair State University. If an applicant has completed 24 college level credits at the time of application, a high school transcript is not required.

2. Transfer students may attend on either a full- or part-time basis and must choose a major. A departmental interview may be required.
3. Application and admission dates for full-time transfer students:

Admission for:	Completed application on file by:
Fall semester	May 1
Spring semester	October 15
4. Transfer students desiring part-time admission follow the application dates listed below for part-time students.
5. International students should follow the application dates listed below for International Students.

Part-Time Students

1. Part-time undergraduate study at Montclair State offers degree program opportunities to students whose responsibilities limit the time they are able to devote to academic pursuit. Although part-time students may register for courses in the day, evening, or weekends, students whose personal schedules will only permit them to take courses in the evening should be aware that only the following majors are currently available after 4:30 p.m. Monday through Thursday:

Anthropology
Business Administration
Computer Science
Economics
English
Geography
History
Human Ecology
Justice Studies
Mathematics
Political Science
Sociology
2. Application and admission dates for part-time students:

Admission for:	Completed application on file by:
Fall semester	June 15
Spring semester	October 15
3. Part-time applicants meet the same admission requirements as their full-time counter parts.

International Students

Students from foreign countries file an application for admission through the Office of Admissions.

Students whose native language is not English are required to submit the Test of English as a Foreign Language (TOEFL). Since the I-20 form can be granted only to accepted full-time students, candidates seeking and F-1 visa should be aware that they must apply for full-time rather than part-time admission.

Students transferring from another United States college or university will be required to submit the "Foreign Student Advisor's Report."

Transcript Evaluation

Send transcripts of all school records for course-by course evaluation to:

World Education Services, Inc.

P.O Box 745

Old Chelsea Station

New York, NY 10113-0745

Request WES to send its evaluation to:

Office of Admissions

Montclair State University

Upper Montclair, NJ 07043

Application and admission dates for full-time international students:

Admission for:

Fall semester

Spring semester

Completed application on file by:

April 1

October 15

Second Baccalaureate Students

1. Students who have been awarded a baccalaureate degree may obtain a second bachelor's degree in most non-teaching majors at Montclair State. *Business Administration is not available.* A minimum of 32 semester hours must be completed at Montclair State after admission to a second baccalaureate program. A minimum of 12 semester hours, of the 32 required, must be taken from upper-level (300 or higher) courses in the major. The academic departments determine the exact number of semester hours of major and collateral courses to be completed for the second bachelor's degree. Credits earned through this program are considered undergraduate and not applicable toward a higher degree at a later date. Second BA students pay graduate tuition and fees.
2. Students are eligible to apply for admission to a second baccalaureate degree program if they have graduated from an accredited four-year college with a minimum cumulative grade point average of 2.50 based upon a possible 4.00 system.

3. Applications and admission dates for second baccalaureate students:

Admission for:

Full-time Students

Fall semester

Spring semester

Part-time Students

Fall semester

Spring semester

Completed application on file by:

May 1

October 15

June 15

October 15

Readmission

Matriculated undergraduate students who were admitted to Montclair State, leave the institution in good standing and have been in attendance at least one semester (including summer sessions) during the immediate past academic year need not formally apply for readmission, and may continue either full- or part-time study by requesting registration information from the Office of the Registrar.

Matriculated undergraduate students who have not been in attendance for more than one academic year or who are returning from academic furlough or suspension must submit an application for readmission to the Office of the Admissions and be accepted prior to registering.

Provisionally matriculated undergraduate students who left the University in good standing and who have not been in attendance for more than three semesters must submit an application for readmission to the Office of Admissions to be considered for re-admission prior to registering.

Provisions for Non-Native Speakers of English

Non-native speakers of English will be given a Placement test for English as a Second Language (ESL). Those who achieve a score which indicates a need for ESL instruction will enroll in ESL courses prior to *Basic Reading Skills* (READ 053), *Introduction to Writing* (ENWR 100) or *College Writing I: Intellectual Prose* (ENWR 105) and will be exempted from their *Introduction to Writing* (ENWR 100) or *College Writing I: Intellectual Prose* (ENWR 105) requirement until the necessary ESL courses are completed. Students enrolled in ESL courses should not take the language skills portions of the Montclair State University Placement Test (MSUPT) until their last semester of ESL. ESL Placement Tests are usually given in June, August, and January. The ESL courses are given by the Linguistics Department. In order to register for these courses, students must take the ESL Placement Exam. For information about the exam, contact the Language Placement Testing Coordinator, Dickson Hall, Room 287, telephone 973-655-6980.

Immunization Requirements

All new or continuing full- and part-time undergraduate and graduate students enrolled in a program of study at any 4-year public or independent institution of higher education in NJ are required to provide evidence of immunization as a prerequisite to enrollment. For specific information, please see Immunization Requirements under Division of Student Development and Campus Life, Wellness Services.

Tuition and Fees

In order to qualify for the in-state tuition rate, the student, parent(s), or guardian(s) upon whom the student is financially dependent must have lived within the State of New Jersey for a continuous period of one year immediately prior to enrollment. (N.J.S.A. 18:62) All foreign exchange students and students with non-resident immigration visas are considered non-residents for tuition purposes, regardless of where they reside while attending Montclair State University. Any questions concerning residency status should be directed to the Bursar's Office.

Tuition*

New Undergraduates—Full-time (12-18 credit hours per semester):	
New Jersey Resident	\$2,195.00 per semester
Non Resident	\$3,571.00 per semester
New Undergraduates—Part-time (less than 12 credit hours per semester):	
New Jersey Resident	\$146.33 per semester hour
Non Resident	\$238.02 per semester hour
Returning Undergraduates, Full-time and Part-time:	
New Jersey Resident	\$133.60 per semester hour
Non Resident	\$221.47 per semester hour

Fees*

General Service Fee	\$8.30 per semester hour
Student Union Building Fee	\$10.70 per semester hour
Student Government	
Association Fee	\$3.10 per semester hour
Athletic Fee	\$4.50 per semester hour
Computer Technology Fee	\$4.50 per semester hour
Facilities Fee	\$7.00 per semester hour
Wellness Fee	\$3.50 per semester hour
Recreation Fee	\$25.00 per semester
Student Health Insurance	\$67.00 per year

*Tuition and fees are subject to change without prior notice.

Montclair State Monthly Payment Plan

This interest-free monthly payment plan, provided through Tuition Management Systems, allows full-time students (international students excluded) to spread fall and spring tuition, fees, housing and meals over 10 equal monthly payments. There are no interest charges and the fee for the entire year, beginning June 2001, is only \$95. Payments begin on June 1st

and end March 1st. You can enter the plan until late July for first semester, and late December for second semester simply by making any payments already due. To receive enrollment information contact the Student Accounts office at 973-655-4105 or call Tuition Management Systems at 800-722-4867.

Special Fees

Late Registration Fee for any student who registers late	\$50.00
Late payment penalty for non-payment of account	1.5% up to \$25.00 on monthly balance
Dishonored Check Fee:	
Minimum Fee	\$15.00
Maximum Fee	\$60.00
I.D. Card Replacement Fee (lost card)	\$10.00
Health insurance for full-time students required by state law	\$67.00
Music Fees: Courses in applied music and private study in composition pay regular tuition and fees, plus \$400 per applied music course.	
Older Adult Program Fee (non-refundable)	\$25.00
Parking Fee	\$50.00
Parking Fines	\$25.00-100.00
Professional Liability Fee (non-refundable)	\$18.75
Special Course/Lab Fee	\$10.00-35.00
Speech Challenge Exam Fee	\$95.00
Student Teaching Fee	\$300.00
Studio Fee	\$5.00-\$90.00
Transcript Fee	\$3.00 per copy
Same Day Service	\$10.00 first copy, \$6.00 each additional copy

Refund of Tuition and Fees

Tuition and fees are refundable in full if classes are discontinued by Montclair State University.

Per Cent Refunded

Withdrawal during the first week of the semester for full term courses and prior to the third class meeting for all short term or mini courses	100%
Withdrawal during first third of course	50%
Withdrawal after the first third of course	none
Refunds for short term courses will be calculated in the same manner at the time of withdrawal.	

Students are not permitted to withdraw from courses after the midpoint of the semester. In computing refunds, the date of withdrawal is the date on which the Office of the Registrar receives a written notice from the student or from the date of the postmark for those received through the U.S. mail.

Summary of Expenses

Estimated tuition, fees*, housing and meal expenses** for students attending Montclair State University are as follows for the nine month September-May academic year for a student taking 30 credits:

	N J Resident Commuting New Student	N J Resident Commuting Returning Student	N J Resident On-Campus New Student	Non Resident On-Campus New Student
Tuition	\$ 4,390.00	\$ 4,008.00	\$ 4,390.00	\$ 7,142.00
Fees (identified above)	<u>1,383.00</u>	<u>1,383.00</u>	<u>1,383.00</u>	<u>1,383.00</u>
Subtotal (tuition and fees)	\$ 5,773.00	\$ 5,391.00	\$ 5,773.00	\$ 8,525.00
Housing (Estimated) Single	0	0	6,270.00	6,270.00
Meals (Estimated) Maximum Meal Plan	<u>0</u>	<u>0</u>	<u>2,268.00</u>	<u>2,268.00</u>
Subtotal (Payable to the University)	\$ 5773.00	\$ 5,391.00	\$ 14,311.00	\$ 17,063.00
Textbooks and Supplies (Estimated)	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00
Personal Expenses (Estimated)	<u>950.00</u>	<u>950.00</u>	<u>950.00</u>	<u>950.00</u>
Total	\$ 7,523.00	\$ 7,141.00	\$ 16,061.00	\$ 18,813.00

*Tuition, fees and expenses based upon Fall, 2002 projected rates.

**Housing and meal expenses based on Fall 2001 single and maximum meal plan.

All Tuition and Fees are Subject to Change

Resources and Facilities

Alumni Association/Office of Alumni Relations

All graduates of Montclair State University automatically become members of the Alumni Association, a non-profit organization that has served alumni since 1910. Contributions to the Alumni Annual Fund allow the Association, working in cooperation with staff in the Office of Alumni Relations, to support a number of programs including faculty research grants, outstanding graduate student awards, undergraduate scholarships, reunions, an affinity card program, regional receptions, seminars and other noteworthy projects. The Office of Alumni Relations also works with academic and other departments in organizing and promoting targeted alumni programming.

The Office of Alumni Relations is located on the second floor of the Alumni House, 34 Normal Avenue, Upper Montclair, (across from the football field), telephone 973-655-4141.

Auxiliary Enterprises

The Office of Auxiliary Enterprises, located in College Hall, Room 311B, represents the University for services contracted from outside sources such as the University Bookstore, Dining Services, C-Store, and vending operations, as well as overseeing Central Printing and Photocopying, Micrographics, the Mail Center, and XBS Convenience Copiers. For more information, please call 973-655-7431.

Bookstore

The bookstore is located on the lower level of the Student Center. Normal hours of operation are Monday through Thursday, 8:30 a.m.-8:00 p.m., Fridays, 8:30 a.m.-4:30 p.m., and Saturdays, 10:00 a.m. to 2:00 p.m. Extended hours are available at the beginning of each semester. Telephone 973-655-5460.

The bookstore carries required textbooks and supplies as well as a wide variety of other merchandise including Apple computers. In many cases, textbooks are available for purchase several weeks prior to the beginning of the semester. It is recommended that students bring their course schedules to the bookstore to aid in the selection of books, which should be purchased early. On-line purchasing of textbooks is now available via the bookstore's Textbook Ordering System. You can either purchase or reserve your textbooks by logging onto www.montclair.bkstr.com. During the fall and spring semesters, undamaged books may be returned within 15 calendar days of the first day of class provided that students produce sales receipts.

Campus Recreation and Intramural Services

Aligned in the Division of Student Development and Campus Life, Campus Recreation and Intramural Services is a unit of the Dean of Students. Campus Recreation and Intramural Services provides opportunities for the entire campus community to participate in a variety of recreational and fitness activities. Recreational programs and facilities include intramural sports, open gym hours, aerobic classes, open swimming, special events, and use of the Fitness Center and the Fieldhouse. Various sports clubs are also available including rugby and ice hockey. For information on facility hours, please call 973-655-4354. For program information, please call the Assistant Director of Campus Recreation at 973-655-5350. For job opportunities, please call the Fitness Coordinator at 973-655-7883.

Child Care Center

The Child Care Center has been designed to be an exciting, inviting place where children can explore a wide variety of materials and activities while under the supervision of professionally trained and certified teachers. The Child Care Center provides developmentally appropriate programs for children ages three months through six years. The Center may be used by Montclair State students, faculty and staff for their children.

The Center is located in Stone Hall and the hours are 7:30 a.m. to 6:00 p.m. Arrangements can be made to provide child care until 8:00 p.m. if the need exists.

For further information and fees, please contact Janey DeLuca, Director, telephone 973-655-7586.

Communication Disorders Center

The Communication Disorders Center is the clinical education and training facility for the master's degree program in speech-language pathology offered by the Department of Communication Sciences and Disorders. Student-clinicians, under the supervision of department faculty and professional staff, apply the diagnostic and treatment methods they have learned in their courses to assist children and adults of all ages who have disorders of communication. The Center is in operation all year, including the summer pre-session and six-week session. Services are provided to children and adults from the communities surrounding the campus and to students and staff of the University. The services available include the evaluation and treatment of disorders of articulation, voice, language, and fluency (stuttering) and for the communication problems related to hearing impairment, stroke, cleft palate, cerebral palsy, or cognitive deficits. Assistance with accent reduction is also available. For further information, contact the clinic coordinator, Elaine Hitchcock, telephone, 973-655-4232; fax, 973-655-7072.

Dining Services

There are various locations on campus where food service is available: Blanton Hall, Freeman Hall, the College Hall Snack Bar, the Red Hawk Diner and several locations in the Student Center, including the Cafeteria, Rathskeller and Student Center Dining Room. The Red Hawk Express is located outside Dickson Hall. Catering services are also available. The Convenience Store is located in the Student Center. Vending machines are located in many buildings across campus. Operating schedules are posted at each location. At various locations within this dining program, food services are available 24 hours a day and seven days a week.

Meal plans are available for resident and commuting students. In addition, any student may participate in the University's debit card program, Red Hawk Dollars. For more information please contact the Office of Auxiliary Enterprises, College Hall, Room 311B, 973-655-7431.

Federal Work-Study Employment

Eligibility

Federal Work-Study (FWS) makes it possible for a student to earn money in a federally supported work-study program on- or off- campus. Eligibility is based on need as determined by the Free Application for Federal Student Aid (FAFSA). Award letters are sent to eligible students. Earnings can be used for educational expenses. Visit the Office of Student Financial Aid website, www.montclair.edu/financialaid for inquiries.

On-Campus Employment

Students who receive award letters indicating their eligibility for FWS can review job descriptions for on-campus employment. To apply, contact the Career Development office, Morehead Hall, third floor, telephone 973-655-5194.

Off-Campus Employment

Federal Work Study students are eligible to participate in the University's *America Reads Program*. *America Reads* students are trained to be reading tutors for elementary school children in the Montclair community. For information, or to apply, contact the Service-Learning Program, Morehead Hall, third floor, telephone 973-655-4363

Global Education Center

The Global Education Center at Montclair State University is designed to coordinate all international activities on campus, to plan new efforts, and to enhance international programs at the University. The Center encourages faculty to develop international expertise in their disciplines by facilitating scholarly research, teaching exchanges, travel programs and participation in international conferences. Through partnerships with international institutions, it assists in developing collaborative undergraduate and graduate programs.

The Center provides opportunities for students to travel and study in every continent (except Antarctica) through semester-long study abroad programs, student exchanges, summer institutes and study tours.

The Center administers Global Education grant awards to faculty and staff pursuing international interests. The Center hosts a bi-weekly program, "Tea and Talk," that provides a forum for faculty and staff to interact with international scholars. International scholars are housed at the Global Guest House at 61 Normal Avenue.

The Center, located at 22 Normal Avenue, features a print and video library of international study programs and is open between 8:30 a.m. and 4:30 p.m.

INTERNATIONAL SUMMER INSTITUTES are held in several locations throughout the world: Montclair in Siena, Italy at University of Siena; Montclair in Madrid, Spain at University of Madrid, Montclair in London, England: A Summer Institute on Shakespeare; Montclair in Nice, France and Montclair in Mexico at Universidad del Valle de Atemajac in Guadalajara. These institutes are open to all students. Each carry 3-6 credits and include in-country travel.

STUDY ABROAD. Because of its direct and consorial links with many universities overseas, Montclair State University can send students on study abroad programs to the following countries: **Argentina:** University of Belgrano (Buenos Aires), Catholic University of Córdoba, University of del Salvador and National University of San Juan; **Australia:** Bond University, Deakin University, Macquarie University, University of Melbourne, University of New South Wales, University of Southern Queensland, Queensland University of Technology, Royal Melbourne Institute of Technology, Victoria University and University of Wollongong; **Austria:** Johannes Kepler University/Linz, Karl-Franzens University/Graz and Paris Lodron University/Salzburg, and Salzburg College; **Bulgaria:** American University of Bulgaria, and Academy of Music and Dance of Plovdiv; **Canada:** Brock University, University of Calgary, University of Cape Breton, and Laurentian University; **Chile:** Universidad Austral de Chile; **China:** Nanjing University, and The Chinese University of Hong Kong; **Costa Rica:** Centro Lingüístico Conversa, National University of Heredia, and Universidad Veritas; **Cyprus:** Intercollege of Cyprus; **Czech Republic:** University of Economics, Prague; **Denmark:** Denmark's International Study Program; **Dominican Republic:** Na-

tional University "Pedro Henríquez Ureña"; **Ecuador:** University San Francisco de Quito and Catholic University of Guayaquil; **Egypt:** American University in Cairo; **England:** University of Birmingham, University of Brighton, University of Central England at Birmingham, University of Central Lancashire, Coventry University, Edge Hill College, University of Greenwich, University of Hertfordshire, Kingston University, Leeds Metropolitan University, Middlesex University, Nottingham Trent University, University of Northumbria at Newcastle, University of Plymouth, Portsmouth University, University of Reading, University College at St. Martin, University of Sunderland, Thames Valley University, and Worcester University College; **Estonia:** Tartu University; **Fiji:** University of the South Pacific; **Finland:** Åbo Akademi University, The University of Turku, Turku School of Economics and Business Administration, University of Joensuu, University of Kuopio, Lappeenranta University of Technology, University of Helsinki, Helsinki University of Technology, University of Jyväskylä, University of Oulu, University of Tampere, and Tampere University of Technology; **France:** University of Savoie at Chambéry, Institute for American Universities at Aix/Marseille and Avignon, University of Aix-Marseille III, University of Picardie/Amiens, École Supérieure de Commerce et d'Administration des Entreprises (Sup de Co), University of Angers, University of Caen, University of Franche-Comté, University of Grenoble II, University du Havre, University of Lille, Institut National des Sciences Appliquées de Lyon, University of Maine, University of Montpellier III, University of Nantes, University of Nice, University of Rennes II, University of Saint-Etienne, University of Paris III (Nouvelle Sorbonne), IV (Sorbonne), V (R. Descartes), VI (P. Et M. Curie), VII (D. Diderot), VIII (Vincennes-St. Denis), X (Nanterre), XI (Paris-Sud), XII (Val de Marne), XIII (Paris-Nord), and Institut de Langues Orientales; **Germany:** Collegium Palatinum, Technical University Carolo-Wilhelmina zu Branschweig, Catholic University of Eichstätt, Justus-Liebig University/Gießen, Gesamthochschule Kassel University, Philipps University of Marburg and University of Trier; **Ghana:** The University of Ghana; **Greece:** Anatolia College and Deere College; **Hungary:** Zoltan Kodaly Pedagogical Institute of Music, Lajos Kossuth University, and Technical University of Budapest; **Iceland:** University of Iceland, and DiS program; **Ireland:** University of Limerick, University College Galway, and University College Maynooth (St. Patrick's); **Israel:** Ben Gurion University of the Negev, Haifa University, Hebrew University of Jerusalem and Tel Aviv University; **Italy:** American University of Rome, Libera Università degli Studi di Urbino, Scuola Lorenzo de Medici, and Università per Stranieri di Siena, and Istituto Zambler (Venice); **Japan:** Chukyo University; Fukui University, KCL Language School; **Kenya:** Kenya University; **Korea:** Ajou University, Korea University, Yonsei University, and Kwimyung University; **La Réunion:** University of La Réunion; **Malta:** University of Malta; **Mexico:** University of Guadalajara, Instituto Tecnológico y de Estudios Superiores de Monterrey at Monterrey (ITESM), Instituto Tecnológico y de Estudios Superiores de Occidente, Universidad de Guanajuato, University La Salle, Universidad Popular Autónoma del Estado de Puebla, and University Regiomontana; **Morocco:** Al Akhawayn University, Ifrane; **Netherlands:** C. Huygens College of Art, University of Amsterdam, University of Groningen, University of Leiden, University of Maastricht, Catholic University of Nijmegen, Tilbur University, and University of Utrecht; **Nicaragua:** Universidad Americana; **Portugal:** CIAL Centro de Lingua; **Russia:** Petrozadovsk State University and Institute of Youth/Moscow; **Scotland:** University of Edinburgh, University of Strathclyde, and James Watt College; **South Africa:** University of Stellenbosch, and University of Natal; **Spain:** University of Seville and Institute of International Studies/Seville, Complutense University of Madrid, University of Murcia, and University of Santiago de Compostela, and University of Valladolid; **Sweden:** University of Karlstad, Örebro University, Luleå University, University College of South Stockholm, and Växjö University; **Switzerland:** Franklin College of Lugano, University of Friburg, and University

of Lausanne; **Ulster:** University of Ulster; **United Kingdom** (See England, Scotland, Ulster and Wales); **Uruguay:** Catholic University of Uruguay; **Wales:** University of Wales Institute, Cardiff; **Zambia:** University of Zambia.

Study abroad advisement, additional information and application forms are available by contacting the Director of International Studies, Dr. Benjamin F. Hadis, Global Education Center, 22 Normal Avenue, telephone 973-655-4483.

Information Technology

The Office of Information Technology at Montclair State University provides the University community with the computing equipment, networking and telecommunications infrastructure and user support services necessary to conduct the teaching, learning, research and administrative business of the institution. In December of 2001, the University opened **The Technology Solutions Center (TSC)**, our one-stop integrated services center located in College Hall, room 124, designed to simplify the manner in which computer and technology users on campus obtain service and assistance.

The Technology Solutions Center is home to our Computer Helpline, our media services staff, our training facilities, as well as a staff of technical experts prepared to assist with a wide variety of technology related topics. Among the technology services offered by the TSC are: Purchasing assistance, installation, configuration, support, maintenance and repair of University-owned hardware, computer and general software questions; the Computer Assisted Learning Environments (known as CALE), which support the public student computer lab facilities and classrooms with computer technology, technical assistance through the helpdesk, which is available during all business hours as well as extended hours for basic assistance with common software and to log and communicate requests for computer assistance and services provided by all elements of Office of Information Technology.

Based in the TSC is the IT Faculty and Staff development program which provides support and training to MSU faculty and staff for integrating technology into instructional programs and departmental activities. The development program includes: technology-related activities, materials and training for MSU faculty and staff; one-on-one support, project advisement, semi-structured workshops and support to campus events; support to faculty on how to integrate technology into an instructional program; CO-I23, which serves as both a training room and an educational technology learning lab; support for web-based course management systems and publishing; coordination of MSU staff development; communication of OIT projects, announcements and websites.

The TSC also provides maintenance for educational equipment such as projection devices, mobile teaching stations and The Distance Learning Room (located in CO-301). These media resources are used by faculty and staff in conjunction with teaching and presentation sessions offered to students, faculty and staff at the University. The Distance Learning Room can participate in 2-way audio and video transmission and can be used as a satellite downlink site. Instruction on how to use educational equipment or The Distance Learning Room is available through the TSC.

Other Information Technology Service units that may be reached through the Technology Solutions Center are:

Management Information Systems (MIS) maintains and manages the campus systems including the Student Information System. These systems house information pertaining to all students, including grading and financial records. MIS also provides support and service to the groups on campus that use, maintain and generate reports from these systems. MIS can be contacted through the Helpline or through the main office at 973-655-4100.

Systems, Security, Networking and Telecommunications provides the infrastructure services to the campus including the campus network Internet access from both on and off-campus telephone services and systems including campus-wide e-mail. Networking maintains the campus fiber optic system, the internal building wiring and the networking equipment and software.

RESnet, part of Systems, Security, Networking and Telecommunications, provides networking connections to students in the residence halls. These connections provide access to the Internet. RESnet can be contacted by the Internet at <http://resnet.montclair.edu> or through the Helpline.

Telecommunications, also part of Systems, Security, Networking and Telecommunications, provides all telephones to the campus, including the Student Residence Halls. All residents have access to the telephone systems, using individual authorization codes that allow individualized billing for each student. Telecommunications can be contacted through the Helpline or at 973-655-4107 or through the main office at 973-655-4100.

Intercollegiate Athletics

Aligned in the Division of Institutional Advancement, Montclair State offers a diversified varsity athletic program of 24 sports for men and women. Student-athletes enjoy competition year-round within NCAA Division III, at the local, regional, and national level. Montclair State is also a member of the New Jersey Athletic Conference, the Metropolitan Collegiate Athletic Conference, the Eastern College Athletic Conference and the Knickerbocker Lacrosse Conference.

The women's varsity program includes basketball, cross country, field hockey, golf, lacrosse, soccer, softball, swimming/diving, tennis, indoor/outdoor track, and volleyball.

The men's varsity program includes baseball, basketball, cross country, football, golf, lacrosse, soccer, tennis, indoor/outdoor track, wrestling and swimming/diving. Co-ed cheerleading is also offered.

Panzer Gymnasium Complex—Six lane indoor pool; wrestling room; fitness center; training room; locker rooms; basketball court and auxiliary gym.

Sprague Field—Astro-turf; seating for six thousand; permanent lighting system (all home football, field hockey, soccer, and lacrosse games are scheduled for this facility).

Pittser Field—Soccer complex and eight tennis courts.

Softball Field—Varsity softball field.

Dioguardi Field—An eight-lane, 400 meter, all weather track which encircles a multi-purpose field located below the Fieldhouse. The track is open year-round and is lit during Fieldhouse hours in the fall, spring and summer sessions.

Yogi Berra Stadium—The MSU baseball team plays its home schedule at this minor league stadium.

The Intercollegiate Athletics Office is located in Panzer Gymnasium, telephone 973-655-5234 or 5236. The Red Hawk Sports Hotline for game results: 973-655-7645.

Language Placement Testing

The Office of Language Placement Testing administers placement tests in six foreign languages (French, German, Italian, Latin, Russian, and Spanish) and in English as a Second Language (ESL). The testing

program is designed to assist students in fulfilling their degree requirements by placing them in the appropriate level language course.

All undergraduates are required to complete six semester hours of a foreign language before graduating, and the Placement Test is required of all students who wish to continue studying a language with which they already have some experience. Students' placement into a foreign language class is based upon a review of both the Placement Test results and the number of years the student studied the language in high school.

For non-native speakers of English, the Office of Language Placement Testing offers an ESL Placement Test. MSU offers a full program of ESL classes designed to help prepare students for the academic demands of university level coursework, and proper placement into these courses is essential to maintain steady progress towards a degree.

Language Placement Testing coordinates its testing programs with Academic Needs Assessment, the office responsible for the administration of the Montclair State University Placement Test (MSUPT).

For additional information regarding the Foreign Language Requirement, see the entry under Requirements for the Undergraduate Degree for the specific degree which you are pursuing. The Language Placement Testing Office is located in Dickson Hall, room 287; telephone: 973-655-6980; e-mail address: foreign.language.placement@montclair.edu.

Library

The Harry A. Sprague Library's resources, services, and facilities support the academic, intellectual, and cultural needs of the university community.

The collections contain more than 400,000 volumes and bound periodicals as well as materials in diverse formats such as microforms, CDs, and videocassettes. The Library subscribes to over 2,500 periodicals and is a depository for United States and New Jersey government publications. Many online databases are available through the Library's homepage. Materials not owned by the Library may be borrowed from other libraries. Photocopiers and microform reader/printers are available for reading and copying film and fiche collections of journals, newspapers, monographs, proceedings, reports, and government documents.

A validated ID is needed to borrow books and use some of the services of the Library. Soon after acquiring a validated ID card, students and faculty should register at the Circulation Counter of the Library to establish borrowing privileges.

The Library's Home Page provides access to the Library's online catalog; to online databases (many full-text); to information about the Library's resources and services; and to selected Internet sites. The Library offers online search services and subscribes to many Internet accessible and CD ROM databases covering a variety of subject fields. In the computer lab students may search the Internet, use campus computer programs, send and receive e-mail, and work on assignments using various software programs.

Helpful and knowledgeable librarians provide assistance regarding the location, evaluation, and retrieval of information resources and the use of library services. The librarians also conduct classes ranging from orientation to advanced research and assist students with individual projects.

The Library is located in the center of campus and provides comfortable and attractive areas for reading and studying, including individual seating and group study rooms. A lounge is located on the Lower Level.

Services are available to patrons with disabilities to enable them to examine and retrieve materials and to access services.

For Library hours: telephone 973-655-4298. For reference information: telephone 973-655-4291. For Library Administrative office: telephone 973-655-4301. The Library's website is: <http://www.montclair.edu/library>.

Panzer School Council

In 1958, Panzer College, a noted single-purpose institution with a rich tradition of developing teachers for physical education and health, was incorporated into Montclair State College and became known as the Panzer School of Physical Education and Hygiene at Montclair State. The College became the custodian and depository of Panzer College records. The Panzer School Council was established in 1971 during a reorganization of the College. Presently, the Council is part of the College of Education and Human Services, Montclair State University. Membership consists of the chairperson of the Department of Health Professions, Physical Education, Recreation, and Leisure Studies and the Dean of the College of Education and Human Services. A major portion of the Council's efforts to aid students in extra-curricular activities are actively and generously supported by the Panzer-Montclair State University Alumni Association. Such support takes the form of direct scholarship aid, providing funds for professional conferences, workshops and sports clinics. Telephone (973) 655-5167.

Parking and Traffic

Parking is available for students who display current decals or permits in those areas designated on campus maps. Campus shuttle buses are available for transportation from the Quarry lots to upper campus. Decals may be purchased from the business office. Temporary permits may be obtained from campus police headquarters.

All N.J. State traffic regulations are enforced at Montclair State University. Campus regulations are listed in the current Schedule of Courses booklet.

Pre-Law Advisor

The faculty of the Department of Legal Studies counsels interested students regarding the possibilities and procedures for law school admissions. Students desiring advisement should schedule an appointment through the Department secretary. A library of law school catalogues, as well as other informative materials regarding law school admissions, are also available for review. In addition, the Department offers a Pre-Law Studies minor, an interdisciplinary program, which provides a basic foundation for those interested in attending law school. Questions regarding the Pre-Law minor can be directed to the Department chairperson, Dickson Hall, Room 348, telephone (973) 655-4152.

Psychoeducational Center

The Psychoeducational Center is a campus-based training facility. Its purpose is to provide integrated clinical and educational experiences for students of Montclair State University who are preparing for professional roles as music therapists, speech pathologists, learning disabilities specialists, or special educators. Training is conducted through the campus demonstration school, early intervention program, testing center, and summer programs which provide service to the community. The center is located in the Speech building, telephone (973) 655-4255.

The Reading and Study Skills Center

The Reading and Study Skills Center, located in the southwest corner of College Hall, rooms CO 101 to CO 109, telephone number: (973) 655-4247, has faculty and facilities to provide reading and study skills help to university students. Consultation, computer assisted instruction, tutoring and independent activities are available.

In addition to campus services available in the Reading & Study Skills Center (R&SSC), community needs are served by a reading clinic for ages 6 - 18. The R&SSC provides clinical and educational experiences for undergraduates and graduate students also.

Summer Sessions

Summer Sessions at Montclair State University provides opportunities for people to pursue undergraduate or graduate studies and take advantage of special educational, cultural and activity programs during June, July and August. Montclair State students, visiting students currently enrolled at other colleges and universities, students who are accepted to begin their college or university studies for the subsequent fall semester and high achieving high school juniors and seniors are encouraged to pursue their undergraduate or graduate studies during summer. High school graduates who have been out of school for at least two years may apply through the Center for Professional and Continuing Education to enroll in summer courses.

Undergraduate and graduate credit courses are offered each summer in the arts, business, computer science, education, human services, humanities, mathematics, natural sciences, and social sciences. In addition, special non-credit and credit programs and workshops are offered. These include the gifted and talented camp for fifth through tenth graders, Stokes Forest Music Camp for youth between 10-18 years of age, English as a second language instruction, Educational Opportunity Fund residential experience, international summer institutes through the Global Education Center, and more.

Summer Sessions include a pre-session of three-week and four-week courses in late May through mid June. In addition, there is a three-week post-session during the first three weeks of August. The eight-week session begins mid-June and runs through the first week of August. Within the eight-week session, some courses are offered during just the first four weeks or second four weeks. A six-week program begins the end of June and ends concurrently with the eight-week session. Daytime classes generally meet Monday through Thursday while evening classes meet on a Monday/Wednesday or Tuesday/Thursday schedule. A number of twelve-week evening courses meet once a week from late May through early August, and Saturday morning courses are offered over a ten-week period that begins in early June. All summer credit courses meet the same academic and hours requirements as those offered during the fall and spring semesters.

Learn more about Summer Sessions at Montclair State. Contact Montclair State University, Summer Sessions, College Hall, Room 215, Upper Montclair, New Jersey 07043. Telephone 973-655-4352 Fax: 973-655-7851 E-mail: summer.sessions@montclair.edu Web: www.montclair.edu/summersessions

Television Center

The DuMont Television Center functions as a support facility to the University and community. It serves as a laboratory for departments within MSU which instruct about television. The center assists with television services, including maintenance, repair, duplication of videotapes, advisement, consultation, video satellite viewing, distance learning, video teleconferences, and international standards conversion (VHS only). It also supports projects in television production for the university administration, instructional programs, students and co-curricular activities. Whenever possible, assistance is provided to the outside community.

The DuMont Television Center is located at the south end of Life Hall, room 117, telephone: 973-655-4341.

The Writing Center

The Writing Center is available to all university students who are committed to developing themselves as writers. Designed as a separate, but complementary experience to that of the classroom, the Writing Center offers one hour weekly one-on-one tutoring sessions with trained Graduate Assistants. The goal of these sessions is to provide practical and encouraging feedback that enables writers to improve their ability to develop and express complex ideas clearly and meaningfully. Tutors work with students at any stage in the writing process: topic development, drafting, re-writing or editing.

Students may choose to come to the Writing Center on their own, or they may be required to attend by an instructor. We encourage writers at all academic and developmental levels to visit the Writing Center as it is part of both our philosophy and our experience that all writers, from published writers to first-year writers, benefit from feedback offered by engaged and dedicated readers. Students enrolled in writing-intensive courses, such as *Introduction to Writing* and *College Writing I and II*, or their academic department's writing-requirement designated courses, are particularly encouraged to take advantage of the tutoring provided at the Writing Center.

There is no charge for these services. If an instructor has asked a student to seek tutoring, the instructor should fill out a Tutor Referral Form. This can be printed from the Writing Center web page. The Writing Center offers one-hour weekly appointments, as well as drop-in appointments. We look forward to assisting you. The Writing Center is located in Dickson Hall, room 285; telephone: 973-655-7442.

Division of Student Development and Campus Life

The mission of Student Development and Campus Life is to support and enhance the educational mission of Montclair State University and to assist students in reaching their goals. Division staff work in a cooperative relationship with the faculty, staff, and students to provide an environment that fosters the intellectual, psychological, physical, social and career development of students. The Vice President for Student Development and Campus Life coordinates the activities of: Academic Success Center, Admissions, Dean of Students, Financial Aid, Registrar, Residence Life, Student Center, and the University Police and Security. In addition, the Vice President, assisted by an Executive Assistant, The Dean of Students and Associate Deans of Students, serves as an advocate on behalf of all students attending Montclair State University.

Academic Success Center

*Academic Success Center, Morehead Hall
Telephone: 973-655-4153*

In the Academic Success Center (Morehead Hall), Montclair State University students may find a wide array of services designed to assist and support them as they progress from their admission to the university to the completion of their college degrees. Each of these programs is listed in alphabetical order, along with a brief description.

Academic Advising

*Academic Success Center, Morehead Hall, Room 132
Telephone: 973-655-4106, 4146, 7068, 5221*

All matriculated full-time and part-time students, are encouraged to seek regular academic advisement. Advisors in the Office of Academic Advising are available both day and evening for students beyond their freshman year who have not yet declared a major, and for students who intend to change majors. These advisors are also responsible for evaluating transfer credits.

Full-time and part-time matriculated students who have declared their majors are assigned to and counseled by faculty advisors in their respective departments.

Students are expected to declare a major by the time they have earned 57 credits.

Academic advisors and faculty advisors can help students plan an academic program and provide assistance in referring students to other resources. For further information call the Office of Academic Advising.

Academic Needs Assessment

*Academic Success Center, Morehead Hall, Room 139
Telephone: 973-655-4476*

Academic Needs Assessment (ANA) screens the records of all entering students. It coordinates and administers the Montclair State University Placement Test (MSUPT). This testing program, combined with a review of academic records, determines the proficiency of students in reading,

writing, and mathematics. The MSUPT includes a Basic Skills Placement Test in language and mathematics and the College Level Math Placement Test in advanced mathematics; which tests a student takes is determined after a review of the academic record. The MSUPT is required of all entering freshmen, and readmitted and transfer students with fewer than 26 transferable credit hours. ANA also provides guidance to other students whose records indicate that additional evaluation is necessary to determine appropriate placement in courses.

ANA coordinates its testing program with the Foreign Language Placement Test and the English as a Second Language Placement Test. It also provides support to the Mathematical Sciences department in its Math Readiness Testing program.

Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT; credits may be added to the number of semester hours required to graduate. All students are expected to enroll in required developmental courses during their first semester of attendance. Academic Needs Assessment monitors the completion of all required developmental courses and conducts assessments of placement effectiveness.

For additional information on the MSU Basic Skills Requirements, see the entry under Academic Policies and Procedures. For more information on the MSUPT, contact Academic Needs Assessment.

Career Development

*Academic Success Center, Morehead Hall, Room 337
Telephone: 973-655-5194, 5364*

Career development is a lifelong process built on self-understanding, exploration of career interest, and acquiring skills in locating employment opportunities. The Career Development department assists students with all phases of the career decision making process from freshman year to graduation. Students acquire skills to choose a major, find part-time work while attending school, plan long-term career goals and obtain full-time work after graduation.

Individualized counseling and testing help students learn more about themselves and the connection between their values, skills, interests and the world of work. Workshops are designed to teach students to write effective resumes, conduct successful interviews, and use the Internet for the job search. Other services include on-campus recruitment by major employers, career fairs, web-based job listings and a career library. Visit the office home page at <http://www.montclair.edu/Pages/CareerServices/Career.html> to learn about current office programs, graduate schools, and information for students with disabilities, the alumni network and national job listings.

Center for Adult Learning

*Academic Success Center, Morehead Hall, Room 305
Telephone: 973-655-4433*

The Center for Adult Learning is for adults, age 25 or over, who have obtained a high school diploma or its equivalence and who have not been enrolled in a college/university within the last two years and want to begin or resume study for a bachelor's degree either on a part-time or full-time basis. It recognizes and addresses the unique needs of adult learners by providing academic counseling, an Adult Academic Success Seminar which focuses on adults beginning or returning to college, workshops geared for adult learners, and advisement on how to earn advanced credits through the College Level Examination Program (CLEP).

The Center for Adult Learning also oversees the Older Adult Tuition Waiver (OLA) Program which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students with a high school diploma or its equivalence may take undergraduate courses. Students with an undergraduate degree may take undergraduate or graduate courses, but must pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.

Educational Opportunity Fund Program

Academic Success Center, Morehead Hall, Room 207

Telephone: 973-655-4385

The Educational Opportunity Fund (EOF) Program provides special admissions, financial aid, and academic support services for highly motivated students who do not meet regular admissions criteria. Eligible students come from low-income families and must be New Jersey residents. Admitted students qualify for enough financial aid to meet the expenses of tuition, fees, room and board, books, and transportation.

Applicants to the E.O.F. Program must be seeking full-time admission, residents of New Jersey for at least one year, from an educationally and economically disadvantaged background, and ineligible for admission by ordinary standards. Counseling, tutorial services and a six-week summer program prior to the beginning of the fall semester are mandatory components of the Program. E.O.F. assists students in adjusting to college life and competing scholastically. Scholastic Assessment Test (SAT I) must be taken no later than January of the senior year.

E.O.F. Program applicants file an application for admission to Montclair State along with the Financial Aid Questionnaire according to the full-time freshman application date (March 1) for fall semester admission. In addition, complete the free application for federal aid (FAFSA) listing Montclair State University.

Family Gross Annual Income Limitations for Dependent Student Eligibility:

Households of 2 persons \$23,220

Add \$6,040 for each additional member of household.

Application and admission dates for E.O.F. freshmen candidates:

Admission for:	Completed application on file by:
Fall semester	March 1

Further information may be obtained through the Educational Opportunity Fund Office, Morehead Hall, room 207, telephone (973) 655-4385.

New Student Experience

Academic Success Center, Morehead Hall, Room 100

Telephone: 973-655-7609

The Office of New Student Experience coordinates several programs that maximize the student's potential for personal and academic success. The following is a list of programs for first year students:

New Student Orientation: All freshmen and transfer students are required to attend Orientation. During this program students participate in a variety of informative and exciting activities; they gather information about life on a college campus, learn about student policies and procedures, and

explore academic opportunities. In addition, all full-time freshmen will meet with an academic advisor and register for courses during orientation. Transfer students should contact Academic Advising to register for courses prior to orientation.

Freshman Experience: Beginning fall 2002, all freshmen are required to enroll in a Freshman Experience course. This course is designed to help the new college student become acclimated to campus life and the academic community. Throughout the course students are introduced to a variety of strategies that can enhance learning and increase academic success.

Welcome Week: The New Student Experience staff working in conjunction with the faculty, administrators, staff and students of MSU, offer Welcome Week to help students become familiar with all facets of campus life. As the first week at college can be somewhat unsettling, we coordinate a week of activities and programs that are informational, entertaining, motivating and inspiring. Welcome Week helps students to feel at home on the MSU campus by acquainting them with the people and programs of the university.

Advising: The Office of New Student Experience provides academic advising for all freshmen who are admitted as undeclared, not including those students who were admitted to special programs. Contact the Office of New Student Experience for the name and location of your advisor. Declared students should seek advisement, with respect to academic issues, from the faculty advisor in their department/major.

Freshman Connection: This program is designed to assist freshman in achieving academic and personal success at MSU. With the exception of students admitted to special programs, each freshman is assigned a First-Year Counselor. This Counselor will mentor students during their first year of college and help them resolve concerns that could impede their academic success. Contact the Office of New Student Experience for the name and location of your First-Year Counselor.

Older Adult Tuition Waiver Program

Academic Success Center, Morehead Hall, Room 305

Telephone: 973-655-4433

The Center for Adult Learning oversees the Older Adult Tuition Waiver (OLA) Program which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students are only responsible for the student fees plus a \$25 administrative fee each semester enrolled. Students with a high school diploma or its equivalence may take undergraduate courses. Students with an undergraduate degree may take undergraduate or graduate courses, but must pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.

Program for Academic Student Support (PASS)

Academic Success Center, Morehead Hall, Room 207

Telephone: 973-655-4385

PASS is designed to provide educational opportunity for a select group of educationally underprepared students. The mission of PASS is to help make higher education a reality for this group of highly motivated students who lack the credentials to meet the criteria for admission to Montclair State. PASS recruits its population through the EOF program applicant pool.

PASS students are provided with support services such as individual and group counseling and tutorial assistance. Special workshops are designed to enhance academic skills.

For additional information call the director of PASS at the above listed telephone number.

Tutorial Services

Academic Success Center, Morehead Hall, Room 140
Telephone: 973-655-4364

Tutorial Services is designed to assist students in a variety of General Education, prerequisite and major courses. Graduate and undergraduate student tutors provide either individual or small group tutorials on a drop-in basis. Students are encouraged to seek academic support prior to mid-term exams. Day and evening hours are available and the service is free.

The Learning Specialist conducts academic skills development seminars in study skills, test taking and note taking. Additionally, a series of Learning Power videotapes are available for use by individuals or small groups. Topics include: time management, note taking, textbook reading, and test taking. Interested students are asked to call for an appointment to preview videotapes.

Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Upper Montclair, New Jersey 07043. Students can also apply on-line at www.montclair.edu and clicking on "Applying". Completed applications should be returned to this address accompanied by a \$40.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

For more detailed information regarding the admissions procedure, see page 12.

The Office of Admissions is located in Russ Hall, telephone: 973-655-4444.

Dean of Students

Campus Ministry Programs

While Montclair State University does not have a House of Worship, student needs are served through religious groups, chartered by the Student Government Association (SGA). These groups include: Buddhist Student Organization, Chi Alpha Christian Fellowship, InterVarsity Christian Fellowship, the Jewish Student Union, Montclair Protestant Foundation, Muslim Student Organization, and Newman—the Catholic Campus Ministry. Chaplains and Campus Ministers can be reached at: Newman Center: 973-746-2323 or 973-655-7240; Jewish Student Union: 973-655-5280; Campus Ministry Office: 973-655-5364.

International Services

The Office of International Services is available to assist all international students, scholars, and faculty with all issues related to their adjustment to the University and the United States and their immigration status. Programs and services are designed especially for international members of the University community to support them as they adjust both academically and culturally. International Orientation Sessions are held at the beginning of each semester.

Students who wish to obtain student visa status must obtain the *I-20, Certificate of Financial Eligibility*. Advisement on the legal processing of this form is available. Students transferring from another United States college or university must also complete the International Student Advisor's report. All students attending the University on F-1 Student Status or J-1 Exchange Visitor Status must be enrolled full-time (12 credits - undergraduate student and 9 credits-graduate student).

International Services is located in the Global Education Center at 22 Normal Avenue; telephone, 973-655-4253. Visit us on the web at www.montclair.edu/international.

Wellness Services

Wellness Services is composed of the Health and Wellness Center on the first floor of Blanton Hall, Counseling and Psychological Services in Gilbreth House, Emergency Medical Services operating out of the Student Center, Services for Students with Disabilities in Morehead Hall, Rooms 117-118, and Wellness Education housed in Bohn Hall. Each of these services has been designed to meet the health and wellness needs of students throughout the campus at MSU.

Our goals are to (1) teach you how to maintain your physical and psychological health and well being, (2) assist you in deciding when you need care, (3) provide care and preventive services in a convenient and sensitive manner when appropriate, (4) assist you in learning how to utilize the health care system, and (5) empower you to make informed decisions about your health.

Wellness Services provides direct care, individual health and psychological counseling, health maintenance and wellness promotion, wellness education services and programs throughout the year, and services for students with disabilities designed to meet student needs and ADA requirements. The Office of the Director of Wellness Services is located in Bohn Hall (street level) with Wellness Education and is open Monday through Friday from 9:00 a.m. to 5:00 p.m. with evening hours scheduled as needed. Telephone 973-655-7051/7555; fax, 973-655-6977

Confidentiality

All Health and Wellness Center, EMS, and CAPS records are strictly confidential and are not a part of other University records. No information is recorded on any permanent college record, so it cannot appear on a transcript or any other official document. No information about a student's visit to these services will be released to anyone without specific written permission from the student, except in the event of an extreme emergency where a clear danger to self and/or others exists.

Health and Wellness Center

The Health and Wellness Center is a campus resource and service center for all students at MSU. The Center provides direct care by nurse practitioners and physicians including the treatment of illness, women's health, HIV/STD/pregnancy screening, immunizations and health educa-

tion. In addition, the staff works closely with Counseling and Psychological Services as well as other campus and community resources for referral needs.

Most services at the Center are free. There are minimal charges for medications and laboratory work. However, no student will be refused care due to the inability to pay. Visits are by appointment only unless the problem is an emergency.

The Center is located in Blanton Hall (first floor) and is open Monday, Tuesday and Thursday from 8:00 a.m. to 8:00 p.m. and on Wednesday and Friday from 9:00 a.m. to 5:00 p.m. Telephone, 973- 655-4361; fax, 973-655-4159.

Counseling and Psychological Services

Montclair State University's Counseling and Psychological Services (CAPS) provides personal counseling and psychological services for Montclair State University students. CAPS, a department of Wellness Services, helps students to make the most of their academic education, prevent future problems, and assists students in developing to their fullest potential by learning new skills and resolving conflicts that may limit their performance.

Complete services are offered free of charge to all registered MSU students. However, a brief wait for services may occur at busier times of the year, as well as overall limitations on the number of sessions any one student is eligible to receive. Staff and faculty members are eligible for short-term consultation and referral.

The staff of CAPS consists of licensed psychologists, doctoral-level clinical and counseling psychologists, and selected graduate students who work under close supervision. The staff of CAPS has special expertise in areas such as: short-term counseling; coping with stress and depression; sexual abuse; eating disorders; relationship problems; family issues; substance abuse; test-taking anxiety and socio-cultural concerns.

CAPS is open 9 a.m. to 5 p.m., Monday-Thursday, and 8:30 a.m. to 4:30 p.m., on Friday. Additionally, limited evening hours are available on Thursdays during the semester by appointment only. Urgency of need is always taken into consideration when scheduling appointments. The Center is located in the Gilbreth House (behind Freeman Hall, south end of campus). Please call for appointments. Telephone, 973-655-5211.

Services for Students with Disabilities

Services for Students with Disabilities (SSD) provides counseling and academic accommodations to students with physical, psychological, learning, and sensory disabilities. The mission of the office is to provide full access to all curricular and extracurricular activities sponsored by the University in accordance with Section 504 of the Rehabilitation Act of 1973 and The Americans with Disabilities Act of 1990.

The SSD serves as a liaison between the student with a disability and the rest of the University community. This includes Counseling and Psychological Services, the Health and Wellness Center, Residence Life, University Police, and all academic departments. These services are located in Morehead Hall, Room 117 and 118 and are available on Monday and Thursday from 8:30 a.m. to 7:00 p.m. and on Tuesday, Wednesday and Friday from 8:30 a.m. to 4:30 p.m. Telephone 973-655-5431/5422. Fax: 973-655-5308.

Emergency Medical Services

Emergency Medical Services (EMS) are available with emergency transport to local hospitals. Call University Police at Ext. 4111 for immediate assistance. The Office of Emergency Medical Services is located in the Student Center. Telephone (non-emergency): 973-655-7836.

Wellness Education

Wellness Education develops programs to address wellness issues that are pertinent to Montclair State University students. These include but are not limited to, wellness maintenance, alcohol and other substance abuse, smoking cessation, nutrition, eating disorders, body image awareness, safer sex practices, sexual advocacy, domestic violence, peer education, stress management, and mental health issues.

Wellness Education is located in Bohn Hall on the street level. Services are available Monday through Friday from 9:00 a.m. to 5:00 p.m. with scheduled programming on selected evenings. Telephone: 973-655-7397. Fax: 973-655-6977.

Immunization Requirements

All new or continuing full- and part-time undergraduate and graduate students enrolled in a program of study at any 4-year public or independent institution of higher education in NJ are required to provide evidence of immunization as a prerequisite to enrollment as follows:

Measles: Evidence of two doses of a live measles-containing vaccine, or any vaccine combination containing live measles vaccine that was administered after 1968-first dose administered on or after the student's first birthday and second dose administered no less than one month after the first dose, or documented laboratory evidence of measles immunity. A student vaccinated with a killed measles containing vaccine, or an unknown vaccine prior to 1969, shall be revaccinated or produce laboratory proof of measles immunity.

Mumps: One dose of live mumps virus vaccine, or any vaccine combination containing live mumps virus vaccine on or after the student's first birthday, or documented laboratory evidence of mumps immunity.

Rubella: One dose of live rubella virus vaccine, or any vaccine combination containing live rubella virus vaccine on or after the student's first birthday, or documented laboratory evidence of rubella immunity.

The University must enforce student compliance within 60 days of enrollment.

A student may be registered on a provisional basis for the first term if the required immunization documentation is not available at the time of registration. Prior to registration for the second term, a student shall either present documentation of immunization or proof of immunity as outlined above or be re-immunized. The only exemptions from these requirements are students born before 1957, students enrolled in a program for which students do not congregate on campus, whether for classes or to participate in institution-sponsored events (home study, distance learning), certain medical conditions in which immunizations pose a health risk, and clearly proscribed and documented religious exclusions.

Documented proof of immunity must be submitted to the Health and Wellness Center. Forms for this purpose are available from the Admissions Office and the Health and Wellness Center. Failure to submit the required documentation will result in a hold being placed which will prevent the student from registering for classes. The student can send or fax original documentation signed by a licensed health care provider, a copy of a signed and authorized school record, or the completed and signed MSU Immunization Information form to the Health and Wellness Center in Blanton Hall. Telephone: 973- 655-4361. Fax: 973-655-4159.

Health Insurance

In accordance with New Jersey state law, all full-time undergraduate and graduate students are mandated to have accident/sickness insurance. Additionally, part-time students or dependents of students may enroll in the plan by completing the appropriate enrollment card, which is available in the Student Accounts office.

The Bollinger Fowler Company provides this coverage to the students of MSU. The cost for this insurance is automatically billed with the tuition bill and will be under \$100.00 per year. This is a basic accident/illness policy with minimal coverage. Students covered by this policy are encouraged to seek care at the Health and Wellness Center prior to using outside services to reduce out-of-pocket expenses.

Students who currently have health insurance under another plan may have this plan waived and the premium deducted from the tuition bill by completing a waiver card and returning it to the Student Accounts office, College Hall, Room 218. Claim forms for Bollinger Fowler coverage are available at the Health and Wellness Center.

For more information, call the Bollinger Fowler Company at 1-800-526-1379, or visit their website at: www.BollingerFowler.com/MSU.

The Women's Center

The Women's Center, aids in the education of women and men with respect to their changing roles, rights and responsibilities in today's world. Different programs, workshops and weekly discussion groups are offered each semester and are developed to address the current needs of the campus community. A reference library and a referral service are available to Montclair State University students. We encourage the personal growth and empowerment of women through personal coaching, mentoring service and advocacy. The Women's Center serves as a safe space on campus for all women.

Interested students may have a chance to work as student staff and coordinate activities, contribute to the newsletters and learn to facilitate discussions and workshops in such areas as sexual harassment and sexual assault, domestic violence, leadership, assertiveness training and self-esteem.

For further information, please contact the Women's Center located in the Student Center, Room 421; telephone 973-655-5114.

Financial Aid

Information regarding the financial aid programs may be obtained from the Office of Student Financial Aid. Programs of financial assistance are revised from year-to-year and therefore both eligibility criteria and the availability of funds may change. For additional information concerning application and procedures visit our website at www.montclair.edu/financialaid. Our mailing address is:

The Office of Student Financial Aid
CO-321
Montclair State University
Upper Montclair, NJ 07043-9987
E-mail: financialaid@montclair.edu

The Office of Student Financial Aid provides financial assistance to eligible Montclair State students through the following:

Federally Funded Programs

1. Federal Direct Stafford Loan Program
2. Federal Direct PLUS Loan Program
3. Federal Pell Grant Program
4. Federal Perkins Loan Program
5. Federal Supplemental Educational Opportunity Grant Program
6. Federal Work-Study Program

State of New Jersey Programs

1. Edward J. Bloustein Distinguished Scholars Program
2. Educational Opportunity Fund Grants
3. Outstanding Scholar Recruitment Program
4. POW/MIA Program
5. Survivor Tuition Benefits Program
6. Tuition Aid Grants
7. Veterans Tuition Credit Program

Satisfactory Academic Progress

Federal and State regulations mandate that recipients of financial aid be in good academic standing and be making "Satisfactory Academic Progress" towards a degree. Montclair State University has established minimum standards for "Measurable Satisfactory Academic Progress". Students must meet the University's "Retention Standards" and earn 67% of their attempted credit hours in order to be eligible for and continue to receive federal and/or State aid. Withdrawals (WD's), failures (F's) and repeated courses are factors that may contribute to a student's ineligibility.

Scholarships and Awards

Many special awards, funds, and scholarships have been established by the benefactors of Montclair State University who share its interest in quality education. A complete list of these opportunities may be found at the back of this catalog in the Appendix of Scholarships and Awards.

Veterans

The Office of Student Financial Aid provides information and advice to students regarding federal and state Veterans' benefit programs. All United States veterans who enroll at Montclair State should contact the office as early as possible in their academic program. All veterans should submit a copy of their discharge papers (DD214) to the Office of Student Financial Aid. Benefits are not available for audited courses or courses completed previously with a passing grade. Any change in student status must be reported to the Office of Student Financial Aid in writing.

All U.S. veterans who completed a minimum of six months active duty are eligible to receive three elective credits, one of which fulfills the one semester physical education requirement. Applications to receive these credits are available from the Office of Student Financial Aid.

For further information contact the Office of Student Financial Aid, CO-321 College Hall. Telephone: 973-655-4462.
E-mail: financialaid@montclair.edu.

Visiting Students

It is the policy of Montclair State not to process financial aid (federal or State, including loans) for "visiting students" attending during the academic year or Summer Sessions. The Office of Student Financial Aid will assist these students with the completion of forms required by their home institution to process financial aid.

Residence Life

Montclair State University offers several living arrangements for resident students. Situated around the academic buildings, the seven residence facilities provide a variety of options ranging from traditional residence halls and suite arrangements to an apartment complex. Each residence facility contains lounges, recreation areas, study rooms, laundry facilities and each room is wired for cable television and data.

New students are given high priority for campus residence and returning students may apply for succeeding years.

Each hall is staffed by a Residence Director and Resident Assistants. The resident assistants are peer educators who provide programming and are especially helpful to introducing new students to the campus and campus life.

All resident students (except Clove Road Apartments) must choose one of the meal plans for the dining hall. Apartment residents or commuters have the option of selecting Red Hawk Dollars or a meal plan. For more information, please call 973-655-5188.

Identification Cards

Students, faculty and staff are required to have a Montclair State University Photo Identification Card. This card must be shown to borrow books or copies of tapes from the Library; to use a book on Library reserve; to use the fieldhouse, and to participate in various activities sponsored by the Student Government Association and Montclair State University.

All students currently holding an I-Card should receive a current validation label upon paying their university bill. Validation labels can also be obtained at the I-Card Office or at the Bursar or Registrar offices by presenting a current class schedule. All new students attending orientation during the summer will have their I-Card photo taken during this time. All other new students should obtain an I-Card immediately after registering for classes. Extended I-Card Office hours are provided in conjunction with the late registration days for each semester. In order to obtain an I-Card, students need to present their current class schedule or paid receipt and another form of identification. Students are encouraged to obtain an I-Card within one year from the date they are admitted. There is a \$10.00 charge for replacement cards.

The I-Card Office is located in The Student Center, (1st floor, near the computer lab). Office hours are Monday through Friday, 8:30 a.m. to 4:30 p.m. and Thursday evenings until 7 p.m. during the semester while classes are in session. For more information, please call 973-655-4147.

Student Center

The Student Center and Annex are a main gathering place for social and recreational activities. This large modern complex has a cafeteria, Rathskeller, and formal dining room. Students and guests may enjoy the services of the bookstore, convenience store, flea market and a 24-hour computer lab. Also centrally located in the Student Center is an information desk, study lounge, commuter lounge, classrooms, ballrooms, Student Center Operations, I-Card office, and several meeting rooms. In addition, the facility houses the Office of the Vice President for Student Development and Campus Life, and offices of the Dean of Students, Student Activities, the Women's Center, the Student Government Association, Campus Recreation, and Greek Affairs. Also nearby, there is the Fieldhouse, which has a weight room and locker room facilities.

For specific schedules of operations please call the respective department.

Student Center Main Office	973-655-7548
Student Activities	7818
Scheduling	4411
Program Coordinator	7546
Campus Recreation	7443
Greek Affairs	5350
I-Cards	4147
Information Desk	5329

Scheduling/Conference Services

Montclair State University provides space and services to students, faculty, staff, and others who wish to utilize University facilities for other than classroom use. Facilities which can be scheduled include: the Student Center, classrooms, auditoriums, athletic facilities, and the amphitheater. The Scheduling Office can also assist in acquiring other services such as media and food services. The office is located in the Student Center, Rooms 407, 408; telephone, 973-655- 4411.

Student Activities

The Office of Student Activities is responsible for co-curricular and extra-curricular programming, in which all students at Montclair State University are encouraged to participate. In addition to working with all student organizations on campus, special emphasis is placed on the needs of the commuter student. Activities are designed to develop and refresh the body and mind in the form of entertainment, educational enrichment, cultural diversity and fine arts activities. The following organizations listed under the Student Government Association support these objectives.

The Office of Student Activities is located in the Student Center.

Student Government Association, Inc. (SGA)

All undergraduates are members of the Student Government Association. The SGA provides drop-in center, pharmacy program, and other services through fees paid by all full-time and part-time undergraduates.

The legislative branch is composed of student representatives from each school and academic department. The executive branch consists of the president, vice president, treasurer, and secretary.

CLASS I ORGANIZATIONS OF THE SGA

Class One Organizations are open to all MSU undergraduates. They provide programming and/or cultural events for the entire student body. These organizations are allotted a yearly budget by the Student Government Association Legislature, and have offices located on the first floor of the Student Center Annex.

CLASS I CONCERTS (CIC) Located at the Student Center Annex, Room 117, telephone 973-655-4478. Class One Concerts offers MSU students a variety of concerts. All shows are arranged exclusively by students providing them the opportunity to learn and participate in all aspects of concert production. If you love music, CIC is for you.

COLLEGE LIFE UNION BOARD (CLUB) Located in the Student Center Annex Room 112D, telephone 973-655-5232. CLUB sponsors social, cultural, and educational activities on campus. Movies, trips, parties, lectures, comedians and other activities are planned each semester, as well as the annual Winter and Spring Balls, Homecoming and Spring Week. If you are excited about getting involved in all aspects of college life... CLUB is for you.

CONSERVATION CLUB Phone: (973) 655-5102

INTERNATIONAL STUDENT ORGANIZATION Located in the Student Center Annex, Room 120, telephone 973-655-5386. The goal of the ISO is to promote better understanding, communication and interaction between people of all nations and cultures represented at Montclair State University.

LATIN AMERICAN STUDENT ORGANIZATION (LASO) Located in the Student Center Annex, Room 100, telephone 973-655-4440. LASO exposes the college community to Latin American influences in the arts, literature, history, Latino issues and cuisine by sponsoring various events such as: lectures, dances, and Latin Month, thereby accenting the MSU campus with the opportunities to have a better understanding of the Latin American culture.

THE MONTCLARION (MSU's NEWSPAPER) Located in the Student Center Annex, Room 113 telephone 973-655-5241. The weekly newspaper keeps the university community abreast of campus news, local events and news of other colleges. Students gain experience in the areas of news, editing, layout, typesetting, and advertising. All undergraduates are eligible for staff positions.

ORGANIZATION OF STUDENTS FOR AFRICAN UNITY (OSAU) Located in the Student Center Annex, Room 119, telephone 973-655-4198. OSAU exposes all students to a positive social, cultural, and educational impact of the Black experience. In addition to sponsoring cultural activities, OSAU also sponsors KITABU, a library on black culture (located in their office), KWANZAA, Choir, Black History Month and also a student produced newsletter.

PLAYERS Located in the Student Center Annex, Room 118, telephone 973-655-5159. Players is a theatrical organization that gives students, acting majors as well as non-acting majors, the opportunity to participate in every phase of play production. Among the productions that Players presents are one acts and full-scale shows and musicals.

WMSC-FM Located in the Student Center Annex, Room 110, telephone 973-655-7466. WMSC-FM is the student-run radio station located in the Student Center Annex. We're at 90.3 on the FM dial, playing "The Best New Music you can't hear anywhere else. If you ever wanted to learn about the inner workings of radio, or even wanted to become an on-air DJ, then this is an opportunity you just can't miss! Our office hours are Monday - Friday, 9a.m. to 5p.m. Just drop in and join!

Request Line: 973-655-4256. Excellent opportunity for broadcasting, communication, and/or music majors!

STUDENT ORGANIZATIONS OF THE SGA

Caribso (973-655-5732)

Chi Alpha Christian Fellowship (SC-Room 122)

Muslim Student Association

New Jersey Community Waterwatch

Accounting Society

American Humanics Student Association

American String Teachers Association/National School Orchestra Association

Arab Student Organization

Asian Organization (TAO)

Bahai Club

Chemistry/Biochemistry Club ($e=mc^2$)

Computer Science Club (973-655-7916)

Double Helix Club

Equestrian Club

Gallery 3 1/2

Geo Club

Haitian Students Association

Indian Culture Club

International Business Society

Intervarsity Christian Fellowship

Italian American Organization

Jewish Student Union

Korean Student Association

Le Cercle Francais

Management Club

Marketing Association

MSU: Dreams Come True

Molecular Biology Club

Montclair Billiards Club

Montclair Linguistic Association

Montclair Protestant Foundation

Montclair Art Education Students Organization

Montclair State Dietetics Organization

Montclair State Student Voter Coalition

Music Therapy Student Organization

National Association for the Advancement of Colored People

Newman Catholic Campus Ministry

Philosophy and Religion Club

Polish Club
Psychology Club
Pre Med Professional Club
Spectrums
Women Students' Organization
Young Democrats Club
MSU Green
Heart
Human Relations and Leadership Association
Medieval Society
Pagan Student Union
Sowers of the Word Christian Fellowship

Greek Organizations

Alpha Iota Chi
Alpha Kappa Alpha
Alpha Kappa Psi (Co-ed Business F)
Alpha Omega (S)
Alpha Phi Omega
Chi Upsilon Sigma
Delta Chi (F)
Delta Phi Epsilon (S)
Delta Sigma Theta
Delta Xi Delta (S)
Groove Phi Groove
Iota Phi Theta
Kappa Alpha Psi
Lambda Sigma Upsilon (F)
Lambda Tau Omega (S)
Lambda Theta Alpha (S)
Lambda Theta Phi Latin Frat Inc. (F)
Mu Sigma Upsilon (S)
Phi Alpha Psi (Senate F)
Phi Beta Sigma (F)
Phi Chi Beta (F)
Phi Mu Alpha Sinfonia (F)
Phi Sigma Pi (S)
Phi Sigma Sigma (S)
Pi Kappa Alpha
Psi Sigma Phi
Sigma Alpha Iota
Sigma Delta Phi

Sigma Delta Tau (S)
Sigma Gamma Rho (S)
Sigma Phi Rho (F)
Sigma Psi Phi (S)
Sigma Sigma Sigma (S)
Swing Phi Swing (S)
Tau Delta Phi
Tau Kappa Epsilon (F)
Tau Phi Beta
Theta Kappa Chi (S)
Theta Xi (F)
Zeta Beta Tau
Zeta Phi Beta (S)
Greek Council (973-655-7393)
Inter-Sorority Council
Inter-Fraternity Council
United Greek Council
Professional House
National Pan Hellenic Council (NPHC)
National Panhellenic Council (NPC)

The Student Government Association (SGA) welcomes each student's participation. For further information regarding activities of the SGA, contact the SGA, Student Center Annex, Room 103; telephone 973-655-4202.

University Police Department

Montclair State University maintains a full-time police force, whose mission is to protect and serve members of the Montclair State community. The police enforce all traffic and parking regulations, being empowered to issue both campus and municipal citations. In addition they receive and investigate all reports of crimes, provide crime prevention information and handle medical emergencies.

Montclair State University also has security officers whose primary purpose is the protection of property. (This includes fire safety activities.)

For information about police and/or security; traffic and parking; self protection seminars, and other police-related matters, call University Police Department, telephone 973-655-5222.



Academic Policies and Procedures

Academic Advisement

All matriculated students, full-time and part-time, are encouraged to seek regular academic advisement. Academic advisors in the Office of Academic Advising are available both day and evening for students who have not yet declared a major and are beyond their freshman year and for those who intend to change majors. Academic advisors are also responsible for evaluating transfer credits.

Full- and part-time matriculated students who have declared majors are assigned to and counseled by faculty advisors in their respective departments. Additional information on faculty advising may be obtained by calling the department offices.

Undeclared students are expected to declare a major by the time they have earned 57 credits. Students are encouraged to come to the Office of Academic Advising for assistance in making this decision.

Advanced Placement

Students with demonstrable equivalencies may, under appropriate circumstances, be exempted from required courses and permitted to take more advanced work. Eligibility for advanced placement may be established on the basis of high school records or by scoring sufficiently well on specialized tests including the Advanced Placement Examination of the College Entrance Examination Board, College Level Examination Program (CLEP) tests, challenge examinations, etc. Students desiring advanced placement are advised to consult with the appropriate department chairperson and school dean to determine specific possibilities within their area of competence.

Application for Final Audit

Students who are eligible for graduation must file an *Application for Final Audit* in the Office of the Registrar according to the following deadlines: **October 1 for the following May graduation; June 1 for the following January graduation; March 1 for the following August graduation.**

Prior to the final opportunity to change registration for the final semester, the student will be mailed a copy of the final audit listing requirements that must be completed in order to meet the intended date of graduation. Students should confirm receipt of the *Application for Final Audit* by the Office of the Registrar by consulting the list posted outside the office during the month immediately following the filing deadline.

It is the student's responsibility to complete the curriculum prescribed in the Montclair State University catalog in effect, or as subsequently modified, when he/she matriculates. For undergraduates, a minimum cumulative grade point average of 2.000 (C) and major grade point average of 2.000 based upon a possible 4.000 system is required. The major grade point average includes required major courses, major elective courses, and collateral courses. Inquiries pertaining to an individual's program of studies shall be referred to the appropriate academic or faculty advisor. It is the student's responsibility to meet all graduation requirements.

Baccalaureate degree candidates who have been evaluated for New Jersey Teaching Certificates must complete the *Application for Certification* and pay the required fees in the Office of the Registrar during the following periods: **March 15 to April 15 for May graduation; October 15 to November 15 for January graduation; July 1 to August 1 for August graduation.**

The New Jersey State Board of Education requires most candidates for *instructional* certificates to take one or more sections of the Praxis Series tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in the Teacher Education Admissions Office, Room 103, Chapin Hall.

Attendance

Students are expected to fulfill all course requirements, and although attendance is not always mandatory, it is desirable. Absence from laboratory or studio sessions shall be by agreement with the instructor. Instructors should notify the students, in writing, of what the course requirements will be. Professors may penalize the student for failure to meet specific attendance requirements.

Students who register are considered enrolled in their course(s) regardless of attendance. Refunds will only be processed, according to deadlines published in each semester's Schedule of Courses booklet, for registered students who have formally withdrawn from a course. Students not following this procedure will be charged for all course(s) in which they are registered. Lack of attendance does not constitute a basis for a refund or withdrawal from course(s).

Audit Policy

To "audit" a course at Montclair State University is to attend class regularly, without the obligation of participating in class discussions, laboratory work, examinations, performances or any class activity other than listening. A course may be audited under the following conditions:

1. Audited courses do not carry academic credit.
2. The University's attendance policy applies to audited courses.
3. Students auditing a course must establish eligibility for admission, register, and pay the required tuition and fees.
4. Students must file an Audit Application with the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.
5. A course may be audited only if the department chairperson permits, and if there is space in the class.

For students who ALSO registered for courses carrying regular academic credit:

1. Audited courses are considered part of the student's course load which may not exceed the maximum limits.
2. An "audit" may not be changed to "credit" nor a "credit" to "audit" after the first three weeks of the semester.
3. The student's record will show a grade of "AU" for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.

For students who are registered ONLY for "audited" courses:

1. The student may not change to a credit basis during the term of enrollment.
2. The student's record will show a grade of "AU" for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.
3. A student who later seeks credit by examination for a course previously audited must be enrolled at the University at the time that the examination is taken and is subject to such fee charges for the examination as the University may establish.
4. A student who has audited a course may take the course at a later date for credit.

Basic Skills Requirements

Montclair State University expects all students to demonstrate proficiency in writing, reading, computation, elementary algebra, and speech. The Montclair State University Placement Test, (MSUPT) provides for the demonstration of such proficiencies through a program of skills assessment and academic development. All students admitted to Montclair State University will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT scores are in and placements are determined. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT; credits may be added to the number of semester hours required to graduate. All students are expected to enroll in required developmental courses during their *first* semester of attendance. Full-time students **MUST COMPLETE ALL REQUIRED DEVELOPMENTAL COURSES DURING THEIR FIRST YEAR** of enrollment. Part-time students must enroll in at least one required course during their first semester and continue each semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. Students not completing this requirement may be dismissed from the university.

The Montclair State University requirement in speech must be fulfilled within a student's first 58 semester hour credits by satisfactory completion of the speech communication requirement or by successful Speech Placement Waiver evaluation. Students may consult the department of Speech Communication for a fuller description of the program.

Note that Basic Reading Skills, Basic Skills Math I and Basic Skills Math II do not carry graduation credits. However, these courses do provide credits toward a student's full-time status and, with the exception of "P" (Pass) grades in Math Lab I and II, they do count toward the student's grade point average.

Further information may be obtained from Academic Needs Assessment, Academic Success Center, Morehead Hall, Room 139, telephone 973-655-4476.

Cancellation of Courses and Staffing

Montclair State University reserves the right to cancel any course for which the enrollment is insufficient. Students may then register, without penalty, for another course for equal credit or receive a full refund of tuition and fees. The University also reserves the right to change faculty assignments and, therefore, cannot guarantee students faculty of their choice.

Class Standing

Sophomore standing is defined as 30.00-59.99 semester hours earned with a minimum cumulative grade point average (GPA) of 1.600 based upon a possible 4.000 system; junior standing is 60.00-89.99 semester hours earned with a minimum cumulative GPA of 1.800; senior standing is 90.00 or more semester hours earned with a minimum cumulative GPA of 2.000. A student must earn a minimum of 120 semester hours with a 2.000 cumulative grade point average as well as a 2.000 grade point average in the major to graduate. The major grade point average includes all courses taken in the major department (except those that the department has specified previously as not being acceptable in the major program) and collateral courses.

Course Loads

Full-time undergraduate students should earn 15-16 credit hours per semester. Special permission is required to take a Course Overload of more than 19 semester hours. To be considered a full-time student one must register for and continue active enrollment in at least 12 semester hours for the entire semester.

Full-time undergraduate students who have at least sophomore standing (30 credit hours earned) and a 3.000 or above cumulative grade point average for the semester most recently completed may, upon the approval of the Dean of the College/School in which the student is majoring, register for a Course Overload. A College/School Dean may make exceptions to the above eligibility criteria for Course Overloads. Requests for Course Overloads of 23 or more credit hours must additionally be approved by the Director of Academic Advising.

Montclair State University reserves the right to reduce the course load of any student who registers for more than 19 credit hours without Course Overload approval.

Students enrolled in fewer than 12 credits are considered part-time. Provisionally matriculated students may not register for more than 9 credits per semester.

Course Overlap

Students may not register for courses where there is a time/day overlap.

In certain laboratory or studio type courses, in exceptional circumstances, course registration overlap may be permitted with written approval of the instructors of both courses as well as the approval of the dean(s) and chairperson(s) responsible for the instructional area(s).

Students must submit written approval to the Office of the Registrar in order to register for overlapping courses; this must be done in person by the student or his/her representative.

Credit by Examination and Assessment of Life Experience

Montclair State offers the opportunity to all students to earn credit through the College Level Examination Program (CLEP). The Advanced Placement Examination of the College Entrance Examination Board (CEEB), the Thomas A. Edison College Examination Program (TECEP), departmental challenge exams or Portfolio Assessment of Experiential Learning at Thomas A. Edison State College are also acceptable ways by which credit may be earned.

The CLEP General Examinations offer entering students the chance to earn up to 24 credits towards the bachelor's degree. In addition to the general examinations there are also over 30 CLEP subject examinations. The following policies apply regarding the use of credit from CLEP exams toward the degree at Montclair.

THESE RULES APPLY TO ALL STUDENTS ADMITTED EFFECTIVE FALL 1988 OR THEREAFTER AND ALL STUDENTS (REGARDLESS OF ADMISSION DATE) WHO TEST AFTER 9/1/88.

All students are responsible to know and apply the following rules and regulations which govern the application of credit earned through CLEP General and Subject Matter Exams toward the Montclair State degree. It is very important that all students recognize that **ACHIEVING THE REQUIRED TEST SCORE DOES NOT NECESSARILY MEAN THAT CREDIT IS APPLICABLE TOWARD MONTCLAIR STATE'S GRADUATION REQUIREMENTS. IN ADDITION, IT IS THE STUDENT'S RESPONSIBILITY TO INSURE THAT HE/SHE IS NOT**

SEEKING CREDIT FOR A COURSE FOR WHICH PREVIOUS CREDIT WAS GRANTED. Students who fail to adhere to these policies may not be permitted to apply CLEP credit toward the degree regardless of score on the exam.

1. CLEP General Exams must be taken prior to completion of the student's first semester of undergraduate coursework. Students should not register in the first semester for courses for which they plan to seek CLEP credit.
2. Subject Matter exams which are taken for possible use in fulfillment of major or collateral requirements must receive advanced written approval of the major department chairperson in the form of a memo to the Director of Academic Support. Subject exams may not be included within the last 24 credits. (See "residence requirement")
3. Those students seeking credit for ENGL 105—"Freshman Composition" via the CLEP General Exam must include the essay with the English test, and if scoring above the cut-point, will be required to submit a research paper to the Director of Freshman English to fulfill the research component of the Montclair State writing requirement. Please note that the essay is not available at each CLEP administration. **ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST (MSUPT) IN WRITING MAY RECEIVE CREDITS FOR THE CLEP EXAM IN ENGLISH REGARDLESS OF CLEP EXAM SCORE.** A student who fails the Writing portion of the MSUPT must take ENGL 100 even if achieving an acceptable score on CLEP. Students wishing to use a CLEP Subject Matter exam to obtain credit for Freshman Composition should receive advanced written approval from the Freshman English Coordinator.
4. **ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST IN COMPUTATION AND ELEMENTARY ALGEBRA MAY RECEIVE CLEP GENERAL EXAM CREDIT IN MATHEMATICS REGARDLESS OF CLEP EXAM SCORE.** This policy shall apply to all students seeking Math CLEP credit regardless of major.
5. Students receiving six (6) credits in foreign language will be required to complete an additional six (6) credits of foreign language to fulfill the language requirement. Students earning twelve (12) credits will be required to complete either "Structure of American English," an upper level course in the same language, or a lower level course in a different language.
6. To receive credit a full-time student must earn a minimum of 12 semester hours with a minimum grade-point-average (GPA) of 2.000 in the first semester. A part-time student must earn a minimum of 12 semester hours within the first 14-15 semester hours attempted with a minimum GPA of 2.000.

Students having questions about these guidelines are encouraged to contact the Office of Academic Advising, telephone, 973-655-4106, 4146, or 7068, *before* taking any CLEP tests.

CLEP tests are given at testing sites located throughout the state of New Jersey. For specific information regarding testing sites and CLEP preparation courses, call the Center for Adult Learning 973-655 4431.

Montclair State offers students the opportunity to take subject matter challenge examinations for many courses. Not all courses are eligible for credit by examination.

To receive credit by examination:

1. In the first semester, a full-time student must earn a minimum of 12 semester hours with a minimum grade-point-average (GPA) of 2.000.

2. A part-time student must earn a minimum of 12 semester hours within the first 14-15 semester hours attempted with a minimum GPA of 2.000.

Credit for Life Experience

Montclair State uses the evaluating services of Thomas A. Edison College for those who want life experience credits. All requests for evaluation must be made to Thomas A. Edison College, telephone, 609-292-3400, in the first semester of enrollment. This evaluation and a report of credit will be sent to Montclair State. Failure to initiate the process in the first semester may result in the loss of credit.

Dean's List

The Academic Dean's List, issued after the close of each fall and spring semester by the academic deans, gives recognition to students with a 3.500 or higher semester grade point average (GPA). A minimum of 12 credits must be earned in courses that contribute to the GPA.

Part-time undergraduate students are eligible for the Dean's List each time they achieve a GPA of 3.500 or higher on 12 or more credits which contribute to the GPA. The credits must be earned in two consecutive semesters, excluding summer sessions, with a minimum of six credits in each term. Once a semester's credits have been used to successfully attain Dean's List status for a part-time student, they may not be used for this purpose again.

Final Examinations

Final examinations and evaluations are generally of a comprehensive nature covering the semester's work, but the form, determined by the nature of the course subject matter, varies with individual professors and classes. A schedule of final examinations is found in the Schedule of Courses booklet each semester.

Final examinations are weighted in relation to other evaluations which are made throughout the semester and do not replace periodic tests and other means of measuring student progress.

Grades and Standards

There are eighteen grades used at Montclair State:

A 4.0	Excellent	C 2.0	Fair	P	Pass
A- 3.7		C- 1.7		IN	Incomplete
B+ 3.3		D+ 1.3		WD	Withdrew
B 3.0	Good	D 1.0	Poor	AU	Audit
B- 2.7		D- 0.7		NC	No Credit
C+ 2.3		F 0.0	Failure	IP	In Progress

Basic Skills courses, whether they carry credit toward graduation or not, contribute to the grade point average, except for Math Lab I and II (given on a Pass/Fail basis) if a grade of "P" is earned.

The mark "F" signifies: (1) academic failure; (2) failure of the student to submit written notice of withdrawal; or (3) withdrawal after the midpoint in the semester. The mark "WD" is given to those who submit in writing (to the Office of the Registrar) their intention of withdrawing from a course before the midpoint of a semester.

The grade "IN" is intended to indicate that the student has not completed the course and that a grade is being withheld until the work is performed and approved. Students must enter into a formal contract with the faculty prior to the end of the semester, using the form available in the Office of

the Registrar. The "IN" if not replaced with a final grade by May 1st for Fall incompletes and December 1st for Spring and Summer, will become an "F." Exceptions can be granted only upon petition to the appropriate College/School Dean.

A change of grade request from other than an "IN" grade, must be processed by faculty and approved by the appropriate College/School Dean no later than the end of the next full semester following the semester in which the grade was earned. For students completing degree and certification programs, all required course work must be completed by the appropriate conferment/graduation date. The instructor must submit the final grade to the Office of the Registrar no later than 30 days thereafter in order for the diploma/certificate to be awarded. No changes will be made to the academic record beyond 30 days of the conferment/graduation date. The only exception to this policy is for Incomplete grades in electives beyond the number of credits required for the degree or program which may be changed according to the time frames for Incompletes as outlined above.

For purposes of determining the grade point average (GPA) for graduation, academic honors, dean's list, academic probation, academic furlough, suspension and dismissal, and all other situations which require a specific GPA, Montclair State University maintains GPA's to three decimal places. No additional rounding will occur.

Students can obtain their grades for any semester through WESS, the Web Enrollment Services for Students, or through the telephone Voice Response System.

Graduation Honors

Undergraduate students who have completed a minimum of 51 undergraduate credits at Montclair State are recognized for academic honors. Grades of "A" through "D-" must be received for a minimum of 48 of these 51 credits.

For recognition of May candidates at the Commencement Exercises, the honors designation will be based upon the student's cumulative grade point average as of the previous January.

Academic honors are awarded as follows:

Cumulative GPA of 3.450 - 3.649 cum laude

Cumulative GPA of 3.650 - 3.849 magna cum laude

Cumulative GPA of 3.850 - 4.000 summa cum laude

An honors diploma will be awarded. A period of three-four months should be allowed for ordering, printing, and mailing. However, the honors notation will appear on the official transcript approximately one month after graduation.

Independent Study

Montclair State University offers opportunities for students to undertake academic credit on an independent study basis. Students who wish to register for independent study courses must obtain an "Independent Study Application" form from the Office of the Registrar. This form must be completed in full and approved by the instructor and the department chairperson prior to registering.

The full course number (except section number) is required on the form. Registration for independent study courses must be processed in person in the Office of the Registrar by the student or a representative of the student. One copy of the Independent Study Application form is then given to the student; one is sent to the department chairperson and one to the instructor; the original is retained by the Office of the Registrar.

Leave of Absence

Full-time undergraduate students in good academic standing may take a leave of absence of one or two semesters by arrangement through the Office of Academic Advising in the Academic Success Center.

Students who take a leave are guaranteed readmission if they file with the Office of Admissions an application for readmission by August 1 for the fall semester and December 1 for the spring semester. Upon termination of the leave period, students are no longer guaranteed reinstatement and must follow normal readmission procedures if they wish to attempt to return to the university.

Major Declaration

Undeclared students should declare a major by the time they have earned 57 semester hours. Students are expected to complete the major for which they apply within the normal number of semester hours required for completion of the degree program. For most undergraduate degree programs, this is 120 semester hours; however, certain programs require more than 120 semester hours.

Pass/Fail Grading

1. Available to Montclair State University Undergraduates Only. All Montclair State undergraduates are eligible to select one course per semester for which they are registered for pass/fail credit, not to exceed 24 semester hours in the degree program.
2. Eligible Courses: Only those courses which are free electives in the student's program. The purpose of this option is to encourage students to explore unfamiliar areas of study without concern for the effect on academic standing.
3. Ineligible courses are those courses which meet the major, minor, collateral, teacher certification, communications or general education requirements. Note that all courses taken in the major department and all collateral courses shall be used in determining the major GPA, thereby rendering these courses ineligible for the Pass/Fail option. (The only exception could be a course that the department has specified previously as not being acceptable in the major program.)
4. Courses offered on a pass/fail basis only will not preclude the student from also taking an additional course on a pass/fail option.
5. Grading: Students will receive either a grade of "P" (pass) or "F" (fail) for course work completed under the option. A grade of "P" does not affect the student's average; however, a grade of "F" will have the same effect as a traditional failure.
6. Students may elect to rescind the pass/fail application at any time prior to the midpoint of the semester. Students should know that letter grades will not replace "P" grades if changing majors, attending graduate school, obtaining certification, applying to other colleges requiring letter grades, etc.

Procedure:

Any student electing the pass-fail option must complete a "Pass/Fail Application" and return it to the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.

Plagiarism

All papers, reports and research submitted by students shall be their own except as properly annotated. The copying or imitating of others' work is plagiarism. A student guilty of plagiarism may be subject to dismissal.

Prerequisite Courses

It is the student's responsibility to satisfactorily complete a prerequisite course before scheduling a dependent course.

Registration

Registration is processed through WESS, the Web Enrollment Services for Students, or through the telephone Voice Response System. Specific directions can be found in each semester's Schedule of Courses booklet.

Repeated Courses

The policy of Montclair State University does not allow undergraduate students to repeat, more than twice, a course in which a grade of "F" was earned. The Dean of each College and School will have the discretion to make exceptions to this policy in special cases and extenuating circumstances. This policy became effective on September 1, 1997, and applies to all students regardless of their date of entry to Montclair State University.

Courses in which the student received grades of "C-" or higher cannot be repeated for credit. If a course in which the student previously earned a grade of "C-" or higher at MSU is repeated at MSU (other than on an official Audit basis -- see section on Auditing Courses) the second grade will be posted as NC (No Credit). It is the student's responsibility to ensure that his/her registration does not include ineligible courses.

To repeat a course a student must register and make payment for that course. Courses must be repeated prior to graduation. There is no special approval required to repeat a course in which a grade of "D-", "D", or "D+" was received. Where a course is no longer offered, the Dean of the College or School, in consultation with the Department Chairperson, shall designate an appropriate replacement course. A course repeated at another institution does not remove an "F", "D-", "D", or "D+" at Montclair State.

When a course has been repeated, both the original and subsequent courses are included on the permanent record, but the credit is counted only once. The grade received in the repeated course becomes the official final grade.

Residence Requirements

A minimum of 32 credit hours of the total required for the baccalaureate degree must be completed at Montclair State. The final 24 credit hours required for graduation must be taken at Montclair State and cannot be acquired through transfer.

Any student who transfers from another institution with advanced standing in a major field of study is required to complete a minimum of twelve credit hours of upper level course work in the major at Montclair State. Some curricula may require more than this minimum.

Retention Standards

All undergraduate students whose cumulative grade point average (GPA) is below 2.000 are automatically on probation. Full-time undergraduates are expected to earn at least 12 semester hours per semester of attendance.

Students are subject to academic furlough, suspension or dismissal if the cumulative GPA is below minimum retention for the number of semester hours earned. Semester hours earned include all courses passed at Montclair and any credits earned through transfer, credit by examination or assessment. First semester freshmen and first semester transfers falling below retention are automatically given a semester of probation before furlough, suspension or dismissal.

Total Semester Hours Earned	0-59.99	60-89.99	90 plus
Minimum Retention	1.600	1.800	2.000
Academic Furlough	1.400-1.599	1.600-1.799	1.800-1.999
Academic Suspension	1.000-1.399	1.200-1.599	1.400-1.799
Academic Dismissal	0-0.999	0-1.199	0-1.399

Furlough

Academic Furloughs are given to students whose cumulative GPA is below retention level. When a student is on Academic Furlough, he or she may not take course work at Montclair State University.

Students given an Academic Furlough are eligible to apply for readmission through the Office of Admissions for the semester beginning one calendar year following the Academic Furlough. Readmission is automatic.

A student who is readmitted from Academic Furlough is given two semesters to raise the cumulative GPA to retention level and make satisfactory progress towards the degree. If the student does not perform at a 2.00 level the first semester back or is not at retention level after two semesters, the student is given an Academic Dismissal.

Suspension

Academic Suspensions are given to students whose cumulative GPA is below retention level. When a student is on Academic Suspension, he or she may not take course work at Montclair State University.

Students given an Academic Suspension are eligible to apply for readmission through the Office of Admissions for the semester beginning one calendar year following the Academic Suspension. Readmission is not automatic.

Retention requirements after readmission from Academic Suspension are the same as those listed above for Academic Furlough.

Dismissal

Academic dismissals are given to students whose cumulative GPA is below retention level or to students who have returned from furlough and suspension and did not achieve at a suitable level. A student placed on academic dismissal is not eligible to return to Montclair State, however, may re-apply for admission after earning an associates level degree from an accredited two year college.

A student placed on academic dismissal is also eligible to apply for readmission to MSU after completing a minimum of 60 semester hours of credit at an accredited four-year institution with a cumulative GPA of 2.50 on a grading scale with a maximum value of 4.00.

When the student is readmitted, the courses taken and the grades earned at MSU prior to dismissal will remain on the student's transcript but the credits earned will not be used towards the completion of the program requirements nor will the grades for these courses be used in computing the grade point average.

After the student has been readmitted and has completed one semester of study at MSU, the following statement will be printed on his/her transcript:

REQUEST TO NULLIFY GRADES EARNED IN TERM/YEAR GRANTED. GRADES ARE NOT APPLICABLE TO COMPLETION OF PROGRAM REQUIREMENTS AND ARE NOT CALCULATED IN GPA.

Standards for Formal Written Work

Most courses at Montclair State require written assignments because writing is one of the best ways to explore, refine, and demonstrate knowledge. The following statement describes the mental operations and the writing skills that the faculty expects in your *formal* written work. (You should assume that an assignment requires formal preparation unless your instructor states otherwise.) *College Writing I and II* provide a solid foundation in these abilities, but that is only the beginning. The written work that you do in all your courses will build on the foundation established in *College Writing I and II*, developing your ability to think and to communicate your thoughts in writing.

In the academic world, as in the world at large, readers will judge your written work primarily on the basis of its content; that is, on the quality of the information and opinions it contains. However, the careful organization and the clear, concise expression of that content are essential if your readers are to grasp your full meaning. The faculty will therefore evaluate the organization and expression of your written assignments along with the content. Grammar, mechanics, and appearance will also be considered, because problems in these areas can interfere with readers' comprehension of your work, or even prevent them from giving it their serious attention.

Individual departments and instructors may add their own requirements to this statement, and each instructor will decide how the various elements will influence grading in a particular course. However, in the course that you will take to satisfy your graduation requirement in writing, you will be given a grade of Incomplete and referred to the Writing Center if your writing has severe problems. This will apply regardless of the average grade of any other work done in that course.

If you have questions about these standards, you may seek clarification from your instructors, from the English Department, or from the Writing Center staff. The Writing Center (Dickson Hall, Room 285, 973-655-7442) offers consultation and tutorial help to all students, ideally through regularly weekly appointments, but also on a drop-in basis. There is no charge for this service.

Writing and Thinking

You should be able to perform with college-level competence the mental operations on which written work depends. These include:

- Generalization: Finding the common element that relates particular examples or instances to each other; abstracting.
- Inference: Drawing out meanings that are implied but not stated explicitly; reading between the lines.
- Analysis: Examining parts of the whole, such as causes, effects, and processes.
- Synthesis: Forming ideas into new relationships; creating.
- Evaluation: Making judgments according to criteria.

You should be able to apply to new situations the knowledge you have gained from your classes, your reading, and your investigations.

You should be able to draw your own conclusions, rather than simply to restate or summarize the ideas of others.

You should be able to state a thesis clearly and support it with reasoning and evidence.

You should be able to organize the parts of a paper in an orderly sequence, governed by a controlling purpose that is clear to the reader. Paragraphs and subsections should also have their own internal order.

You should be able to adapt what you write to the needs and expectations of your intended audience, whether it is your peers, your teacher, other scholars in a discipline, or the general public.

The Writing Process

Successful writing is seldom merely the recording of the writer's first thoughts. More often it is the result of a process involving several stages. You should know how to use strategies that will help you to:

- Choose and limit a topic
- Produce rough and polished drafts
- Collect information
- Revise and edit
- Develop ideas
- Proofread

Library Research and Documentation

You should be able to locate, evaluate, and use materials published in various forms, including books, periodicals, newspapers, government documents, indexes, abstracts, microforms, websites, electronic mail, discussion groups, and other media materials.

You should be able to summarize or paraphrase the written work of others. Paraphrased material must be completely restated in your own words, and should blend smoothly into your style.

You should be able to identify your source material according to the method your instructor requires. Data or distinctive ideas taken from sources must be identified by the methods of an approved citation system (i.e., MLA, APA, etc.), *even if those ideas are not quoted directly*. Direct quotations must be identified by a citation as well as by quotation marks or block indentation.

Failure to treat source material properly may be construed as plagiarism, a serious academic offense. (See Plagiarism under Academic Policies and Procedures.)

Standard English, Grammar, Style

Your papers should be written in formal, standard English. They should be free of nonstandard constructions (such as double negatives) and of informal usage (such as "The experiment went O.K.>").

Your sentence structure should be free of major grammatical problems, such as sentence fragments, subject-verb disagreement, inconsistent verb tenses, unclear pronoun reference, and misplaced modifiers.

Your sentences should be clear and concise, showing capable use of the tools necessary to a mature writing style, such as coordination, subordination, parallelism, and transitional devices.

Your choice of words should be precise and appropriate to your subject. You may sometimes find it essential to use technical terms, but you should always avoid unnecessary jargon.

Mechanics and Appearance

Your papers should contain no errors in spelling, punctuation, capitalization, or typing.

You should show careful attention to matters of appearance, including legibility, neat corrections, and suitable presentation.

If your instructor does not specify how you are to present your paper you may follow these recommendations:

Use a cover sheet that includes:

- Your name
- The title of the paper
- The title and section number of the course
- The name of the instructor
- The date

Make margins at least one inch all around.

Number the pages.

The use of a word processor is encouraged.

Formal papers should be carefully proofread and typed. Last minute corrections should be neat and clear.

Student Responsibility

Students are expected to assume responsibility for knowing and meeting the various regulations and procedures set forth in the Montclair State University catalogs and in the schedule of courses booklet published each semester. Montclair State University reserves the right to terminate the enrollment of any student whose conduct, class attendance, academic record or financial obligation should prove unsatisfactory.

Student Rights

The *Family Education Rights and Privacy Act of 1974* (FERPA) permits the University to release directory information about a student unless the student specifically requests that this information be withheld. Students who do not wish directory information to be released should notify the Office of Student Development and Campus Life, Room 400, Student Center, within the first two weeks of each semester.

Montclair State University defines directory information as: name and address, telephone number, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, height and weight of members of athletic teams, dates of attendance, degrees and awards received, photographs, most recent previous institution attended, date of degree conferment, career (UG/GR), status (full-time or part-time), and classification (freshman, sophomore, junior, senior, pre-matriculated, provisionally matriculated, matriculated, etc.). Student rights under FERPA include the following: the right to inspect and review; the right to request amendment of records; the right to consent to disclosure, with certain exceptions; the right to file a complaint with the U.S. Department of Education; the right to obtain a copy of the student records policy (a policy statement pertaining to this matter may be obtained from the Office of the Vice President of Student Development and Campus Life).

Montclair State University is an equal opportunity/affirmative action institution and does not discriminate on the basis of sex, race, color, national origin, age or physical handicap in providing access to the University's benefits, services, and employment opportunities in compliance with relevant federal and state legislation. Inquiries may be directed to the Office of Equal Opportunity/Affirmative Action, Room 231, College Hall, 973-655-4349.

Transcripts

In order to receive an official Montclair State University transcript, students must complete and sign a transcript request form, available through the Office of the Registrar or on the web (www.montclair.edu/transcript). A fee of \$3.00 per copy (both undergraduate and graduate records for the same student are considered one copy) is payable, in advance, to Montclair State University. Same day processing service is available at a charge of \$10.00 for the first copy and \$6.00 for each additional copy.

At the conclusion of each semester, please allow ten working days for grade processing. Transcript requests which include grades from the immediately preceding semester will be processed after the grading cycle is complete. Transcripts will not be released for students who have a financial obligation (e.g., library, parking, loan, etc.) to Montclair State University.

Students may also access their grades through WESS, the Web Enrollment Services for Students, or through the telephone Voice Response System.

Transfer Credit

Undergraduate students who wish to take courses at another institution and transfer the credits to Montclair State University must complete the form "Request for Work at Another Institution" available in the Office of the Registrar prior to enrollment in the course(s) they wish to transfer. Pending verification that the transfer institution is regionally accredited, all accepted credits will be listed, without grades, on the student's permanent record. Grades earned at other institutions are not included in the Montclair State University cumulative grade point average, nor can they be used to repeat a "D+", "D", "D-" or "F" grade earned at MSU. However, transfer credit hours are used in determining the student's class level.

All specific requirements for the Montclair State University degree must be completed even though this may involve more than that expected by the student at the time of transfer. Courses with grades of "D+", "D", or "D-" are acceptable only if the transfer student has an A.A. or A.S. degree from the transfer institution. Grades of "F" are not acceptable for transfer credits.

Transfer Credit

Full-Faith-and-Credit

The New Jersey State Board of Education's full-faith-and-credit policy applies to graduates of New Jersey community colleges seeking admission to the New Jersey state colleges/universities (Rowan, New Jersey City, Kean, Montclair, Ramapo, Stockton, College of New Jersey, and William Paterson).

The policy guarantees graduates of approved transfer programs in the New Jersey community colleges and Thomas A. Edison State College admission to a New Jersey state college/university although it may not be the college/university of first choice. The provisions in the full-faith-and-credit policy pertaining to acceptance of general education credits and the number of additional credits required to complete the baccalaureate degree apply to students in approved transfer programs, Associate in Arts (A.A.) or Associate in Science (A.S.), who are continuing in the same major at the four-year institution. Students graduating from a community college with an Associate in Applied Science (A.A.S.) degree may also be guaranteed credit for particular courses in cases where an articulation agreement has been established between Montclair State and the community college.

Transfer Credit

Non-Accredited Institutions

To receive evaluated credit from an institution licensed by a state to grant degrees but not regionally accredited:

1. In the first semester, a full-time student shall earn a minimum of 12 semester hours with a minimum grade point average of 2.000.
2. A part-time student shall earn a minimum of 12 semester hours in the first 14-15 semester hours attempted and with a minimum cumulative grade point average of 2.000.

Undergraduates in Graduate Courses

Montclair State University seniors within 16 semester hours of completing the baccalaureate degree requirements, who possess at least a 2.700 grade point average and have taken all required prerequisites, may apply for permission to take up to 6 hours of 500 level courses for either undergraduate *or* graduate credit or up to 6 hours of 400 level coursework for graduate credit, if prior permission is granted. A graduate course taken for undergraduate credit *cannot* later be included in a graduate degree program. If courses are taken for graduate credit, graduate tuition and fees will be charged and the courses will appear on a graduate record. The required forms are available at the Graduate School; they must be completed and submitted to the Office of the Registrar in person when registering.

Admission of an undergraduate to a course that yields graduate credit does not imply future acceptance into any graduate program. That can only be done through the normal graduate admission process. Those planning to matriculate in graduate programs at Montclair State University should refer to the Graduate Catalog for specific admission requirements.

Waivers and Credit Adjustments for Freshman English

The following policies apply to students entering as freshmen or as transfer students beginning in Fall 1988.

To obtain waivers or credit adjustments for Basic Composition, Freshman Composition, and Introduction to Literature, students must see the Freshman English Coordinator.

Waivers of Freshman Composition, with or without credit, must be completed before the end of the sophomore year for students who enter the college as freshmen. Transfer students must complete these waivers by the end of their first semester of attendance.

I. Waiver of Requirement *without* Credit

- A. For Freshman Composition (satisfies the Communication Requirement in Writing):

Submit an acceptable research paper demonstrating college-level skills in both writing and research. (Students must first qualify to take Freshman Composition by achieving the appropriate score on the Montclair State University Placement Test.)

- B. For Introduction to Literature (satisfies the Communication Requirement in Reading):

Score 4 or higher on the ETS Advanced Placement Examination in English Literature and Composition (not Language and Composition). The Communication Requirement in Reading is waived, and the student has the option of taking Introduction to Literature *or* another course in English or American literature.

II. Waiver of Requirement *with* Credit

- A. For Freshman Composition: Waiver of the Communication Requirement in Writing and award of 3 credits.

1. Score 4 or higher on the ETS Advanced Placement Examination in English Literature and Composition *or* English Language and Composition. Submit an acceptable research paper demonstrating college-level skills in both writing and research.
2. Score 530 or higher on the ETS College Level Examination Program (CLEP) General Examination in English with essay. Submit an acceptable research paper demonstrating college-level skills in both writing and research. (Students must first qualify to take Freshman Composition by achieving the appropriate score on the Montclair State University Placement Test.)

- B. For Introduction to Literature: Waiver of the Communication Requirement in Reading and award of 3 credits. Score at or above the 50th percentile on the ETS College Level Equivalency Program (CLEP) Examination in Analysis and Interpretation of Literature.

Withdrawal from Courses

Students may use WESS, the Web Enrollment Services for Students, or the telephone Voice Response System to drop courses until the 100% refund deadline. After this time, all requests to withdraw must be submitted to the Office of the Registrar in writing. Students may fax a request to withdraw 973- 655-7371, they may mail a written request to withdraw, or they may complete a Withdrawal form. Please note that there is a mail slot in the door of the Office of the Registrar in which written requests to withdraw may be submitted during non-office hours. (Notification to the instructor or a "Stop Payment" of a check does not constitute an official withdrawal from Montclair State University or withdrawal from individual courses.) Upon receipt of the withdrawal notice, the student will be given or sent acknowledgment. Any student who fails to receive such acknowledgment within one week should immediately notify the Office of the Registrar. Withdrawals are computed from the date of receipt of the written notice or from the date of the U.S. postmark for those received through the U.S. mail. Students who do not submit a written notice will receive the mark of "F" in those courses which they cease to attend. See the current Schedule of Courses booklet for deadline dates.

Withdrawal from Montclair State

A full-time undergraduate student wishing to withdraw from the University must complete an official Withdrawal/Leave of Absence form in Academic Advising, Morehead Hall. If the student is a minor, the signature of a parent or guardian is required on the withdrawal form. Strict adherence to the withdrawal procedure is necessary for possible readmission to Montclair State University. In addition to filing the official withdrawal form, students must withdraw from semester courses by filing a "Course Withdrawal Form" in the Office of the Registrar, according to established deadlines.

Late Withdrawal Procedure

Students who find it necessary to withdraw after the midpoint of the semester **for medical reasons** must petition the Dean of Students in writing, and provide supporting medical documentation. Refund requests must be submitted in writing to the University Controller subsequent to Post-Deadline Withdrawal. Late withdrawals can only be approved within one calendar year from when the course was taken.

Requirements for the Undergraduate Degree

The academic program of Montclair State has been designed to provide each student with an in-depth experience in a major program, a sequence of courses to develop basic communication skills, and a series of general education courses to expose the student to the breadth and methods in the various fields of human knowledge. The structure of the general education program is designed to provide the best comprehensive liberal arts education for all students.

The following pages provide a description of the degree program requirements and an outline of the general education program required of all students. These requirements are basic and should be a major part of the first two years of a student's undergraduate program. Departmental curriculum guides provided for your major course sequence should also be consulted.

A minimum of 120 semester hours of course work are required for the baccalaureate degree. However, more than 120 semester hours may be required depending upon the major field of study.

In addition to the requirements stated above, the University requires that the academic preparation of all incoming students be reviewed and appropriate testing be administered through the Montclair State University Placement Test. If a student is found to have deficiencies in the areas of reading, writing, computation and/or elementary algebra, developmental courses are required and the student is expected to meet minimum standards during the first year of attendance at Montclair State.

General Education

With knowledge and technology increasing at a faster and faster rate and global communication closely intertwining different world cultures, General Education at Montclair State University seeks to prepare students to be lifelong learners, information literate, knowledgeable, active and discerning citizens, culturally aware, and self-reflective critical thinkers who can function locally as well in the nation and the global community. It seeks to provide students with the knowledge base and skills to adapt to the work place as well as to function in an increasingly complex society. On completion of the program the student will enjoy the benefits of the best of the traditional liberal arts curriculum together with a contemporary approach to social and technological change: facility in a foreign language, a sense of history, a perspective on social sciences, a familiarity with the humanities and art, and an understanding of computer science, mathematical and scientific principles and some of their modern applications; and understanding major cultures around the world.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in every course. Whenever possible, professors will show how several academic disciplines bear on a single course or topic. The General Education Program dedicates some of the major resources of Montclair State to the benefit of introductory students and exists in synergy with the academic requirements of the major.

All full-time freshman and part-time students who began their studies at Montclair State in Fall 2002 or thereafter and transfer students entering Montclair in Fall 2003 must meet the requirements of the Gen Ed 2002. Others have a choice of these requirements or the 1983 General Education Requirement (GER).

Gen Ed 2002 combines a strong disciplinary component with an interdisciplinary component that deals with contemporary issues. New Interdisciplinary courses are aimed at raising the level of awareness of our students as to what it means to be responsible citizens of their community, the USA, and the world. In these courses students will have the opportunity to study scientific, national and global contemporary issues from an interdisciplinary perspective. They comprise the major difference between the Gen Ed 2002 and the 1983 GER. These courses also aim to create meaningful common experiences for students that will enhance the Montclair experience. Course descriptions are listed below.

A minimum of 120 semester hours is required for the baccalaureate degree. However, depending upon the major and choice of free electives, programs may require more than 120 semester hours for completion. For details on specific programs, consult the academic programs section of this catalog and the program worksheets available from an academic advisor or faculty advisor. Also, general information on teacher certification may be found in this catalog. In the Table of Contents, see Other Academic Programs Teacher Education.

Interdisciplinary Courses of Instruction

GNED 201

CONTEMPORARY ISSUES I: SCIENTIFIC ISSUES

3.0

Introduces students at the sophomore level to a contemporary scientific issue to provide an understanding of the importance of science as a pervasive influence in their lives. Students will become aware of the impact of science at all life levels, such as the local community, the geographical region, the nation and in a rapidly changing world, in which they will be called upon to make intelligent, informed decisions. Draws upon basic principles from biological and physical sciences, applying the scientific method, scientific data analysis, reasoning and logic to conduct an examination of a contemporary scientific issue such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, or new developments in medicine. Course will be taught by faculty from two different disciplines, with at least one member from biology, chemistry, environmental sciences, geoscience, molecular biology, or physics. Meets the Gen Ed 2002-Interdisciplinary Courses, Contemporary Issues I.

Prerequisite: Sophomore standing.

GNED 202

CONTEMPORARY ISSUES II: NATIONAL ISSUES

3.0

Introduces students at the sophomore level to a contemporary issue of importance within the United States. The course may also include relevant international and historical perspectives. Draws upon basic principles from the social sciences, applying the scientific method, data analysis, reasoning and logic to conduct an examination of a contemporary social issue such as class, ethnicity, gender, immigration and migration inequality, justice, life course development, mental health, or race. Course will be taught by faculty from two different disciplines, with at least one member from anthropology, economics, geography, political science, psychology, or sociology. Meets the Gen Ed 2002-Interdisciplinary Courses, Contemporary Issues II.

Prerequisite: Sophomore standing.

GNED 202

CONTEMPORARY ISSUES III: GLOBAL ISSUES

3.0

Students at the junior level pursue interdisciplinary study of a contemporary global issue in comparative perspective. The course examines the context of the issue, how it has arisen out of different socio-political circumstances and what results it has produced in different regions of the world. A team of faculty from two different disciplines will collaborate to address an issue such as artistic expression, citizenship, conflict and violence, environmental sustainability, ethnic and religious coexistence, immigration and migration, literacy, political development and economic change, public health, or world poverty. Meets the Gen Ed 2002-Interdisciplinary Courses, Contemporary Issues III.

Prerequisite: Sophomore standing.

Gen Ed 2002

Bachelor of Arts and Bachelor of Science

It is recommended that, whenever possible, a student complete the General Education Program during the first two years of study.

The same course may be used to satisfy both Gen Ed 2002 and major, certification, or multicultural awareness requirements, if it has been approved for these purposes, except that courses in a student's major department may not be used to satisfy the "General Education Electives" requirement described in section L below.

See Gen Ed 2002, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the Gen Ed 2002 categories listed below.

A. New Student Seminar 1 Semester Hour

The New Student Seminar course embodies and expresses the goals of the entire Freshman Year Experience. This course is designed to provide students with strategies and information essential to the enhancement of their academic and social success. This course affords first-year students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem-solving, and the development of life-long learning skills. Departments may offer a new student experience for their own majors.

B. Interdisciplinary Courses 9 Semester Hours

These interdisciplinary courses will raise the level of awareness of students as to what it means to be responsible citizens of their community, the USA, and the world. The focus of these courses will be developed from scientific, national, and global issues.

B1. GNED 201 Contemporary Issues I: Scientific Issues 3 semester hours

This course will draw upon basic principles from biological and physical sciences to demonstrate the application of the scientific method, scientific data analysis, reasoning and logic to an examination of selected contemporary issues such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, and new developments in medicine. Students completing this course should achieve an understanding of the way multidisciplinary scientific knowledge and methodology is applied to the decision making processes that address the scientific issues and problems facing contemporary society. Students will understand the interconnections between developments in science and the quality of human life as well as comprehend the overall concepts that unify and connect the approaches from various physical and natural disciplines of science. Students in all sections would have at least one common experience which could be reading the same book, hearing the same lecturer, seeing the same play or film or participating in an experiential activity. Note: Course will be taught by a least one member of biology, chemistry, environmental sciences, geoscience, molecular biology or physics.

B2. GNED 202 Contemporary Issues II: National Issues 3 semester hours

This course is designed to introduce students at the sophomore level to contemporary issues of importance within the USA today. Although the focus of the course is national, it may of course include discussion of the issue in a comparative vein

from an international perspective. A course may also consider – if relevant – the influence of the past and its function in forming contemporary ideas and beliefs. Sample themes might be drawn from concepts of justice, race, ethics, gender, culture, or the self, to name just a few. An overarching theme would be explored by teams of at least two faculty drawing on their disciplinary and methodological training to show students that their disciplines are not self-contained, that different approaches can attack the same problem, and that knowledge is integrative. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film or participating in an experiential activity. Note: The course will be taught by at least one member of a social science discipline (that is, those disciplines housed in social science departments: anthropology, economics, geography, political science, psychology and sociology).

B3. GNED 303 Contemporary Issues III: Global Issues: 3 Semester Hours

This course is designed for students at the junior level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

C. Communication 9 Semester Hours

C1. Writing/Literature: 6 Semester Hours

Students will take two sequential semesters of intensive writing instruction. This will be accomplished as follows: Freshman Composition will stress the development of student thinking and writing abilities through frequent writing assignments based on critical response to intellectual prose, with significant attention to library research. Introduction to Literature will require frequent writing assignments based on interpretation and appreciation of literary works of various genres.

C2. Communication: 3 Semester Hours

A course that seeks to introduce students to both the conceptualization and the practice of effective oral communication by developing student understanding and skill in various oral presentation Formats. The course emphasizes the complex and dynamic nature of human communication through a focus on the essential and basic elements of public communication, including listening, message design, and delivery skills.

D. Fine and Performing Arts 3 Semester Hours

A course that provides an appreciation of the arts (Dance, Music, Theater, Visual Arts*), with insights into cultures, historical events, values and styles. [*includes film]
or

A course that introduces the student to an appreciation of an art form through the process that involves the development of a creative idea and results in the actual work(s) or performance(s), with appropriate treatment of styles, values, backgrounds and technical challenges.

E. World Languages

3 -6 Semester Hours

At a time when Montclair State University is committed to internationalizing the curriculum and when the public schools of New Jersey are under a state mandate to start world language study in the elementary schools, it is important to encourage students to pursue study of world languages.

The World Languages requirement thus consists of a three to six semester-hour sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Students wishing to continue a language already studied in high school or elsewhere must demonstrate proficiency equivalent to completion of the third semester. Students who do not place at this level must take up to 6 s.h. of further study dependent upon their scores in the placement test (i.e., those who score at the second semester level must take 6 s.h., those who score at the third semester level must take 3 s.h.). Students who demonstrate proficiency equivalent to completion of the third semester of world language study must take one additional 3 s.h. course at a higher level in that language or a course in English about a foreign culture or civilization. Students wishing to begin a new language with which they have no experience must take two semesters (6 s.h.) of that language.

Note: The entrance requirement for Montclair State University includes 2 years of a world language. As is the case with the current foreign language requirement, only elective credit is given for the first semester level of a language already studied in high school regardless of the placement score.

F. Humanities

6 Semester Hours

F1. World Literature or General Humanities: 3 Semester Hours
World literature. A course in major works of world literature from both Western and non-Western sources. This course provides students with the opportunity to explore the literary products of the creative imagination of different cultures and enhances the understanding of different cultural concerns. It also develops in students a heightened response and sensitivity to literature.

or

General Humanities. An interdisciplinary course in General Humanities in which students learn about and discuss some of the major questions which have preoccupied humanity through the ages. The course demonstrates the variety of humanistic achievement in several areas of artistic endeavor and creates a deeper understanding of the values of different civilizations.

F2. Philosophy or Religion: 3 Semester Hours

A course in philosophy or in religion which introduces great philosophical or religious ideas and traditions. This course enables students to understand how such ideas and traditions offer a philosophical and/or religious response to specific questions or issues. It expands students' understanding of fundamental concepts of the human condition.

G. Computer Science

0-3 Semester Hours

The objective of the course in computer science is to develop in students the computing knowledge and skills necessary to understand, evaluate, and use the increasing and changing computer technologies of the twenty-first century. The course will help students understand the milieu of computing: the history and development of computer science as a science, hardware and software interaction, technology and change, and social responsibility and ethics. Students will experience the uses and uniqueness of computer science and computing in problem solving and critical thinking. They will learn to differentiate problems solving in computing from that in other domains; understand the problem they are solving; find and use the best computer tools to solve the problem, and understand the limits of computers and that some problems cannot or should not be attempted mechanically; and communicate the solution. They will acquire the necessary skills to understand, evaluate and use specific software systems in the context of computing environments. The course considers not only current computer skills, for example, competency in Office applications, but more importantly computer knowledge, that is, fundamental ideas of computing. Since skill obsolescence is inherent in computing, the fundamental ideas of computing that support the learning of unanticipated new skills are essential. Note: Students will be allowed to take an examination to "place-out" of the Computer Science requirement.

H. Mathematics

3 Semester Hours

This course will introduce students to the application of mathematical methods to the solution of real-world problems. Students completing this course will be able to translate real world problems into mathematical language, interpret mathematical models, and present mathematical information, while recognizing that the methods have limits. The course will develop students' ability to think logically and precisely, by strengthening their general reasoning powers, developing their problem-solving and critical thinking skills, and emphasizing to them that there is more than one way to solve a problem. Students will be repeatedly immersed in interesting quantitative settings that require drawing inferences, estimating results, assessing risks, and making reasonable guesses. The course will include mathematical content, develop the deductive nature of theoretical mathematics, make use of modern technology to analyze problems and their solutions, and develop students' ability to use concepts, procedures and intellectual processes.

I. Natural/Physical Science Laboratory

4 Semester Hours

A course which includes a hands-on experience in a laboratory setting and which incorporates the scientific method by involving students with observations, the identification of patterns and regularities, the development of hypotheses and theory and models, and prediction and testing. The scientific method will be applied within the context of a discipline, utilizing a body of knowledge (more than can be given in an interdisciplinary overview course) and examining a variety of equipment, software and other tools students need for observation. Students will develop critical thinking skills as well as understand the open-endedness and limitations of science.

J. Physical Education

1 Semester Hour

A course for developing an awareness of the need for a regular program of moderate physical activity to promote health and well-being in the daily lives of students. This course provides for the

development of skills and knowledge to engage in lifetime physical pursuits. This includes but is not limited to sports such as tennis, swimming and jogging, human movement activities such as aerobics and dance, and other fitness activities that develop cardiovascular endurance and efficiency.

K. Social Science 9 Semester Hours

K1. American or European History: 3 Semester Hours

The course will provide an understanding of the American or European historical legacy that continues to influence contemporary events. It will provide an understanding of the historical foundations of our political, legal, economic and social culture.

K2. Non-Western Cultural Perspectives: 3 Semester Hours

A course in the cultures or civilizations that are identified with the continents of Asia, Africa, or the Americas and are distinguished as evolving from non-European roots and along separate paths of development. The study of non-Western cultures or civilizations will prepare students to participate in an increasingly interdependent global civilization. It will also foster an appreciation of the non-Western sources of our contemporary civilization.

K3. Social Science: 3 Semester Hours

Social Science (other than History). Students can choose a social science course that applies a particular analytical approach and empirical perspective to issues of importance to the individual and society. The course will provide an intellectual path for understanding the forces that will shape our national and global society.

L. General Education Elective 3 Semester Hours

1. Gen Ed 2002 approved courses (other than physical education).
2. General introductory courses at the 100-level or 200-level in any department in the university.

Gen Ed 2002

Bachelor of Fine Arts and Bachelor of Music

It is recommended that, whenever possible, a student complete the General Education Program during the first two years of study.

The same course may be used to satisfy both Gen Ed 2002 and major, certification, or multicultural awareness requirements, if it has been approved for these purposes, except that courses in a student's major department may not be used to satisfy the "General Education Electives" requirement described in section L below.

See Gen Ed 2002, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the Gen Ed 2002 categories listed below.

A. New Student Seminar 1 Semester Hour

The New Student Seminar course embodies and expresses the goals of the entire Freshman Year Experience. This course is designed to provide students with strategies and information essential to the enhancement of their academic and social success. This course affords first-year students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem-solving, and the development of life-long learning skills. Departments may offer a new student experience for their own majors.

B. Interdisciplinary Courses 9 Semester Hours

These interdisciplinary courses will raise the level of awareness of our students as to what it means to be responsible citizens of their community, the USA, and the world. The focus of these courses will be developed from scientific, national, and global issues.

B1. Contemporary Issues I: Scientific Issues 3 Semester Hours

This course will draw upon basic principles from biological and physical sciences to demonstrate the application of the scientific method, scientific data analysis, reasoning and logic to an examination of selected contemporary issues such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, and new developments in medicine. Students completing this course should achieve an understanding of the way multidisciplinary scientific knowledge and methodology is applied to the decision making processes that address the scientific issues and problems facing contemporary society. Students will understand the interconnections between developments in science and the quality of human life as well as comprehend the overall concepts that unify and connect the approaches from various physical and natural disciplines of science. Students in all sections would have at least one common experience which could be reading the same book, hearing the same lecturer, seeing the same play or film or participating in an experiential activity. Note: Course will be taught by a least one member of biology, chemistry, environmental sciences, geoscience, molecular biology or physics.

B2. Contemporary Issues II: National Issues 3 Semester Hours

This course is designed to introduce students at the sophomore level to contemporary issues of importance within the USA today. Although the focus of the course is national, it may of course include discussion of the issue in a comparative vein from an international perspective. A course may also consider – if relevant – the influence of the past and its function in forming contemporary ideas and beliefs. Sample themes might be drawn from concepts of justice, race, ethics, gender, culture, or the self, to name just a few. An overarching theme would be explored by teams of at least two faculty drawing on their disciplinary and methodological training to show students that their disciplines are not self-contained, that different approaches can attack the same problem, and that knowledge is integrative. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film or participating in an experiential activity. Note: The course will be taught by at least one member of a social science discipline (that is, those disciplines housed in social science departments: anthropology, economics, geography, political science, psychology and sociology).

B3. Contemporary Issues III: Global Issues 3 Semester Hours

This course is designed for students at the junior level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or

religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

C. Communication 6-9 Semester Hours

C1. Writing/Literature: 6 Semester Hours

Students will take two sequential semesters of intensive writing instruction. This will be accomplished as follows: Freshman Composition will stress the development of student thinking and writing abilities through frequent writing assignments based on critical response to intellectual prose, with significant attention to library research. Introduction to Literature will require frequent writing assignments based on interpretation and appreciation of literary works of various genres.

C2. Communication: 0-3 Semester Hours

A course that seeks to introduce students to both the conceptualization and the practice of effective oral communication by developing student understanding and skill in various oral presentation formats. The course emphasizes the complex and dynamic nature of human communication through a focus on the essential and basic elements of public communication, including listening, message design, and delivery skills.

D. Fine and Performing Arts (Not Applicable)

E. World Languages 3-6 Semester Hours

At a time when Montclair State University is committed to internationalizing the curriculum and when the public schools of New Jersey are under a state mandate to start world language study in the elementary schools, it is important to encourage students to pursue study of world languages.

The World Languages requirement thus consists of a three to six semester-hour sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Students wishing to continue a language already studied in high school or elsewhere must demonstrate proficiency equivalent to completion of the third semester. Students who do not place at this level must take up to 6 s.h. of further study dependent upon their scores in the placement test (i.e., those who score at the second semester level must take 6 s.h., those who score at the third semester level must take 3 s.h.). Students who demonstrate proficiency equivalent to completion of the third semester of world language study must take one additional 3 s.h. course at a higher level in that language or a course in English about a foreign culture or civilization. Students wishing to begin a new language with which they have no experience must take two semesters (6 s.h.) of that language.

Note: The entrance requirement for Montclair State University includes 2 years of a world language. As is the case with the current foreign language requirement, only elective credit is given for the first semester level of a language already studied in high school regardless of the placement score.

F. Humanities 6 Semester Hours

F1. World Literature or General Humanities: 3 Semester Hours

World literature. A course in major works of world literature from both Western and non-Western sources. This course provides students with the opportunity to explore the literary products of the creative imagination of different cultures and enhances the understanding of different cultural concerns. It also develops in students a heightened response and sensitivity to literature.

or

General Humanities. An interdisciplinary course in General Humanities in which students learn about and discuss some of the major questions which have preoccupied humanity through the ages. The course demonstrates the variety of humanistic achievement in several areas of artistic endeavor and creates a deeper understanding of the values of different civilizations.

F2. Philosophy or Religion: 3 Semester Hours

A course in philosophy or in religion which introduces great philosophical or religious ideas and traditions. This course enables students to understand how such ideas and traditions offer a philosophical and/or religious response to specific questions or issues. It expands students' understanding of fundamental concepts of the human condition.

G. Computer Science: 0-3 Semester Hours

The objective of the course in computer science is to develop in students the computing knowledge and skills necessary to understand, evaluate, and use the increasing and changing computer technologies of the twenty-first century. The course will help students understand the milieu of computing: the history and development of computer science as a science, hardware and software interaction, technology and change, and social responsibility and ethics. Students will experience the uses and uniqueness of computer science and computing in problem solving and critical thinking. They will learn to differentiate problems solving in computing from that in other domains; understand the problem they are solving; find and use the best computer tools to solve the problem, and understand the limits of computers and that some problems cannot or should not be attempted mechanically; and communicate the solution. They will acquire the necessary skills to understand, evaluate and use specific software systems in the context of computing environments. The course considers not only current computer skills, for example, competency in Office applications, but more importantly computer knowledge, that is, fundamental ideas of computing. Since skill obsolescence is inherent in computing, the fundamental ideas of computing that support the learning of unanticipated new skills are essential. Note: Students will be allowed to take an examination to "place-out" of the Computer Science requirement.

H. Mathematics (Not Applicable)

I. Natural/Physical Science Laboratory (Not Applicable)

J. Physical Education (Not Applicable)

K. Social Science

3 Semester Hours

K1. American or European History: 3 Semester Hours

The course will provide an understanding of the American or European historical legacy that continues to influence contemporary events. It will provide an understanding of the historical foundations of our political, legal, economic and social culture.

K2. Non-Western Cultural Perspectives: (Not Applicable)

K3. Social Science: (Not Applicable)

L. General Education Elective

(Not Applicable)

Gen Ed 2002 Appendix of Courses

The following courses fulfill the Gen Ed 2002 for full-time freshmen and part-time students who began their studies at Montclair State University in Fall, 2002 or thereafter, and transfer students entering Montclair State University in Fall 2003.

NEW STUDENT SEMINAR

Biology and Molecular Biology

BIOL 199 Freshman Seminar in Biology

Mathematical Sciences

MATH 102 New Student Experience for Mathematical Sciences

Psychology

PSYC 104 Freshman Experience

INTERDISCIPLINARY COURSES

GNED 201 Contemporary Issues I: Scientific Issues

GNED 202 Contemporary Issues II: National Issues

GNED 303 Contemporary Issues III: Global Issues

COMMUNICATION

Writing/Literature

English

ENWR 105 College Writing I: Intellectual Prose
AND

ENWR 106 College Writing II: Writing and Literary Study

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas Part I **
AND

HONP 101 Honors Seminar in Great Books and Ideas Part II **

Communication

Communication Studies

SPCM 101 Fundamentals of Speech:
Communication Requirement

FINE AND PERFORMING ARTS

Art and Design

ARAN 190 Introduction to the Visual Arts

ARCE 200 Ceramics: Pottery and Sculpture, Beginning I

ARDW 200 Drawing, Beginning I

ARDW 201 Life Drawing, Beginning I

ARPA 200 Painting, Beginning I

ARPH 200 Photography Beginning I, Contemporary Art Form

ARSC 200 Sculpture, Beginning I

ARSC 210 Sculpture, Beginning II

English

ENFL 208 Introduction to the Film

Music

MUGN 160 Introduction to Music in World Cultures

MUGN 209 Introduction to Jazz*

MUGN 250 Rap and Rock as Cultural Phenomena*

Theatre and Dance

DNCE 105 Dance Appreciation

DNCE 141 Dance Technique: Modern I

DNCE 155 Dance Technique: Ballet I

THTR 105 Acting I

THTR 265 The Contemporary Theatre of Cultural Diversity*

WORLD LANGUAGES

Classics and General Humanities

GREK 101 Beginning Greek I

GREK 112 Beginning Greek II

GREK 121 Intermediate Greek I

LATN 101 Beginning Latin I

LATN 112 Beginning Latin II

LATN 121 Intermediate Latin I

LATN 132 Intermediate Latin II

French, German, and Russian

FREN 101 Beginning French I

FREN 112 Beginning French II

FREN 121 Intermediate French I

FREN 132 Intermediate French II

GERM 101 Beginning German I

GERM 112 Beginning German II

GERM 121 Intermediate German I

GERM 132 Intermediate German II

RUSS 101 Beginning Russian I

RUSS 112 Beginning Russian II

RUSS 121 Intermediate Russian I

RUSS 132 Intermediate Russian II

Spanish/Italian

ITAL 101 Italian I

ITAL 102 Italian II

ITAL 103 Italian III

ITAL 104 Italian IV

SPAN 101 Spanish I

SPAN 102 Spanish II

SPAN 103 Spanish III

SPAN 104 Spanish IV

HUMANITIES

World Literature or General Humanities

Art and Design

ARHS 105 Art in Western Civilization: Ancient and Medieval

ARHS 106 Art in Western Civilization: Renaissance to Modern

Classics and General Humanities

GNHU 115 Troy and the Trojan War

GNHU 201 General Humanities I to 1400

GNHU 202 General Humanities II from 1400

GNHU 285 Mythology

Philosophy or Religion

Educational Foundations

EDFD 220 Philosophical Orientation to Education

Philosophy and Religion

PHIL 100 Introduction to Philosophy

PHIL 106 Logic

RELG 100 Religions of the World

COMPUTER SCIENCE

Computer Science

CMPT 109 Introduction to Computer Applications:
Being Fluent with Information Technology

MATHEMATICS

Mathematical Sciences

- MATH 103 The Development of Mathematics
- MATH 106 Contemporary Applied Math for Everyone
- MATH 109 Statistics

NATURAL/PHYSICAL SCIENCE LABORATORY

Biology and Molecular Biology

- BIOL 100 Biological Sciences
- BIOL 109 The Living World
- BIOL 110 Biology of Human Life

Chemistry and Biochemistry

- CHEM 100 Introductory Chemistry

Earth and Environmental Studies

- GEOS 107 Planet Earth
- GEOS 112 Physical Geology
- GEOS 114 Historical Geology
- GEOS 125 Earth and the Environment
- GEOS 257 Understanding Weather and Climate
- PHMS 210 Introduction to Marine Sciences

PHYSICAL EDUCATION

Health Professions, Physical Education, Recreation and Leisure Studies

- PEGN 200 Beginning Swimming
- PEGN 202 Badminton
- PEGN 203 Golf
- PEGN 242 Racquetball
- PEGN 251 Aerobic Activities
- PEGN 252 Archery
- PEGN 253 Gymnastics
- PEGN 257 Weight Training and Conditioning
- PEGN 258 Beginning Tennis
- PEGN 260 Beginning Riding
- PEGN 261 Fencing
- PEGN 262 Volleyball
- PEGN 264 Soccer
- PEGN 265 Figure Skating
- PEGN 266 Skiing
- PEGN 268 Bicycling
- PEGN 270 Folk and Square Dance
- PEGN 271 Social Dance
- PEGN 272 Bowling
- PEGN 274 SCUBA Diving
- PEGN 275 Beginning Karate
- PEGN 278 Yoga
- PEGN 279 Climbing and Rappelling

SOCIAL SCIENCE

American or European History

Classics and General Humanities

- GNHU 281 Greek Civilization
- GNHU 282 Roman Civilization

History

- HIST 103 Foundations of Western Civilization
- HIST 105 Emergence of European Civilization, 1500-1914
- HIST 106 Contemporary Europe, 1914 to the Present
- HIST 110 Introduction to American Civilization
- HIST 117 History of the United States to 1876
- HIST 281 Greek Civilization
- HIST 282 Roman Civilization

Honors Program

- HONP 102 Honors Seminar in 20th Century Civilization, Part I**

Non-Western Cultural Perspectives

Anthropology

- ANTH 115 Cultures of the Middle East*
- ANTH 120 Native North Americans*
- ANTH 140 Non-Western Contributions to the Western World*
- ANTH 150 Native Latin Americans*
- ANTH 170 Peoples of Africa*

Art and Design

- ARHS 220 Art in Non-Western Societies*

Classics and General Humanities

- GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies

- EUGS 207 Geography of East and Southeast Asia

French, German, and Russian

- GRIN 293 Russian Culture and Civilization

Sociology

- SOCI 220 Sociology of Rich and Poor Nations

Social Science

Anthropology

- ANTH 100 Cultural Anthropology*
- ANTH 110 The Anthropology of Multicultural America*†
- ANTH 210 Urban Anthropology*†
- ANTH 230 The Anthropology of Conflict and Violence

Earth and Environmental Studies

- ENVR 109 The Human Environment
- EUGS 101 Human Geography
- EUGS 102 World Geography
- EUGS 206 Introduction to American Urban Studies*
- EUGS 208 Land and Life in Latin America*
- EUGS 213 Urban Geography*†

Economics and Finance

- ECON 100 Introduction to Economics
- ECON 101 Principles of Economics: Macro
- ECON 102 Principles of Economics: Micro

Educational Foundations

- EDFD 264 Gender Issues in Education*

Health Professions, Physical Education, Recreation and Leisure Studies

- HLTH 246 Epidemiology

Human Ecology

- HENU 153 Dynamics of Food and Society
- HETX 122 Clothing and Culture: A Multidisciplinary Study*

Legal Studies

- LSLW 200 Introduction to Law
- LSLW 220 Conflict and Its Resolution*

Linguistics

- LNGN 210 Introduction to General Linguistics
- LNGN 230 Language in Society
- LNGN 245 Language and Culture
- LNGN 250 Language of Propaganda
- LNGN 255 Language and Gender*

Political Science

- POLS 100 Introduction to Politics

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

Psychology

PSYC 109 The Human Environment

Sociology

SOCI 113 Social Problems

SOCI 206 Individual and Society

SOCI 230 Sociology of Conflict and Violence

GENERAL EDUCATION ELECTIVE

1. Gen Ed 2002 approved courses (other than Physical Education).
2. General introductory courses at the 100-level or 200-level in any department in the university.

* *Meets Multicultural Awareness Requirement.*

† *Meets Human and Intercultural Relations Requirement for teacher certification.*

** *For honors program students only.*

(1) *Recommended for students with strong math/science background.*

1983 General Education Requirement (GER)

The General Education Requirement at Montclair State is among the most comprehensive in area colleges and universities. On completion of the requirement, one will enjoy the benefits of the best of the traditional liberal arts curriculum: facility in a foreign language, a sense of history, a perspective on social sciences, a familiarity with the humanities and art, and an understanding of mathematical and scientific principles and some of their contemporary applications. Beyond these traditional areas, one will have had the opportunity to study a major non-Western culture and several non-Western literary masterpieces. At least one important contemporary issue will have been examined in depth, and an introduction to computers will have been provided.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in nearly every course. Whenever possible, professors will show how several academic disciplines bear on a single problem or topic.

The General Education Requirement dedicates some of the major resources of Montclair State to the benefit of introductory students. Combining the strength of the liberal arts curriculum with a contemporary approach to social and technological change, it supplies a valuable balance to any major program.

The following General Education Requirements apply to full-time freshman and part-time students who began their studies at Montclair State in Summer/Fall, 1983 through Summer 2002 or and transfer students entering Montclair in Fall 1985. These requirements are subject to change. Periodic visits to your faculty advisor or a Montclair academic advisor are strongly recommended to avoid difficulties in meeting graduation requirements.

All full-time freshman and part-time students who began their studies at Montclair State in Fall 2002 or thereafter and transfer students entering Montclair in Fall 2003 must meet the requirements of the Gen Ed 2002. Others have a choice of these requirements or the 1983 General Education Requirement (GER).

GER 1983 *Bachelor of Arts and Bachelor of Science*

It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

The same course may be used to satisfy both GER and major, certification, or multicultural awareness requirements, if it has been approved for these purposes, except that courses in a student's major department may not be used to satisfy the "General Education Electives" requirement described in section J below.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER 1983 categories listed below.

A. Communication

9 Semester Hours

Writing

A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading

A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening

A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues

3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

C. Fine and Performing Arts:

Art Appreciation

3 Semester Hours

A course in the inherent styles and qualities of a particular art form, designed to provide familiarity with important masterpieces in an historical and stylistic context, an understanding of the processes involved in creating art, and an ability to recognize and appreciate excellence.

D. Foreign Language

6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT

As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

- 1. Students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;*
- 2. Students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;*
- 3. Any exception to the foregoing must be approved by the chair of the appropriate department.*

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required.

A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

- 1. By taking a ONE semester course above the intermediate level in the language tested;*
- 2. By taking the ONE semester course STRUCTURE OF AMERICAN ENGLISH offered by the Linguistics Department.*

E. Humanities

6 Semester Hours

1. World Literature or General Humanities: 3 Semester Hours

World Literature: A course in major works of world literature from Western and non-Western literary traditions. Taking the course will provide you with an expanded awareness of national and international cultural concerns, as well as a heightened sensitivity to literature.

General Humanities: An interdisciplinary course in General Humanities with emphasis on the great questions which have concerned and inspired artists and thinkers through the ages. The course will provide you with greater knowledge of the range of humanistic achievement in several areas of creative endeavor, and a deeper understanding of the values of different civilizations.

2. Philosophy/Religion: 3 Semester Hours

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics and

Computer Science

5 Semester Hours

1. Mathematics: 3 Semester Hours

A course in mathematics as a tool of scientific investigation and as a significant part of our heritage, stressing an appreciation of mathematics as a tool for problem solving and analysis, and a greater ability to think precisely and logically.

2. Computer Science: 2 Semester Hours

A course illustrating the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy.

G. Natural/Physical Science

7 Semester Hours

1. Laboratory Science: 4 Semester Hours

2. Non-Laboratory Science: 3 Semester Hours

Two courses in natural/physical science, at least one with a laboratory component. The courses are designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in each course.

H. Physical Education

1 Semester Hour

A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science

12 Semester Hours

1. American or European History: 3 Semester Hours

A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Non-Western Cultural Perspectives: 3 Semester Hours

A course in the culture or civilization of indigenous peoples in Africa, Asia, or the Americas. Completing this requirement will provide important insights into the development of cultures not influenced in their formative stages by Western civilization.

3. Social Science (other than History): 6 Semester Hours

Each student will take one survey and one topic course.

- a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.
- b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives

6 Semester Hours

1. GER approved courses (other than Physical Education)
2. General introductory courses at the 100-level or 200-level in any department in the schools of Fine and Performing Arts, Humanities and Social Sciences, and Mathematical and Natural Sciences.
3. Courses in the areas of Creative Expression and/or Personal/Professional Issues

Creative Expression

An elective course in the creative process in a particular art form. A creative expression course will afford the opportunity to be personally involved in a creative activity and gain insights into both the technical difficulties and the creative choices which artists face. One should develop not only a lifelong appreciation of the arts, but also remain an active participant.

Individual and Professional Issues

An elective course in personal or professional development. Taking one of these courses should provide a better understanding of oneself, teach one how to interact with others more effectively, or gain a more developed perspective on career choices.

Note: General Education Electives must be taken outside the student's major.

GER 1983

Bachelor of Fine Arts and Bachelor of Music

It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

The same course may be used to satisfy both GER and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER 1983 categories listed below.

A. Communication Writing

9 Semester Hours

A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading

A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening

A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues

3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

C. Fine and Performing Arts: Art Appreciation

(Not Applicable)

D. Foreign Language

6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills; increased cultural understanding. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT

As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

1. *Students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;*
2. *Students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;*
3. *Any exception to the foregoing must be approved by the chair of the appropriate department.*

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required. A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

1. By taking a ONE semester course above the intermediate level in the language tested;
2. By taking the ONE semester course *STRUCTURE OF AMERICAN ENGLISH* offered by the Linguistics Department.

E. Humanities

3 Semester Hours

Philosophy/Religion

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics and Computer Science

2 Semester Hours

Computer Science

A course in the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy i.e., the ability to perform basic tasks in a standard computer language.

G. Natural/Physical Science

4 Semester Hours

Laboratory Science

A course in natural/physical science with a laboratory component. The course is designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in the course.

H. Physical Education

1 Semester Hour

A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science

6 Semester Hours

1. American or European History: 3 Semester Hours

A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Social Science (other than History): 3 Semester Hours

A course in social sciences other than history.

- a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.
- b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives

(Not Applicable)

Major Field

Since one of the main purposes of an arts and science program is to give the student a broad general education, requirements for an arts and science major are generally limited to 33-82 semester hours. Requirements for major programs vary; a number of these major programs have "tracks" or concentrations. For details on specific programs, consult the academic programs section of this catalog and the program work sheets prepared by the College academic advisor or faculty advisor.

Free Electives

Students may fulfill their remaining credits for a minimum of 120 semester hour degree requirements through the selection of any other courses. Students may also choose a minor in a field by taking the appropriate course work as part of their free electives. They may also use electives to meet the teacher certification requirements.

1983 General Education Requirement (GER) Appendix of Courses

The following courses fulfill the General Education Requirement for full-time freshmen and part-time students who began their studies at Montclair State from Summer/Fall, 1983 through Spring 2002 and transfer students entering Montclair State from Fall 1985 through Spring 2003.

COMMUNICATION

Writing

English

ENWR 105 College Writing I: Intellectual Prose

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I**

HONP 101 Honors Seminar in Great Books and Ideas, Part II**

Reading

English

ENWR 106 College Writing II: Writing and Literary Study

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I**

HONP 101 Honors Seminar in Great Books and Ideas, Part II**

Literacy and Educational Media

READ 105 Reading: Communication Through Text

Speaking/Listening

Communication Sciences and Disorders

CS&D 101 Fundamentals of Speech:
Communication Requirement

Communication Studies

SPCM 101 Fundamentals of Speech:
Communication Requirement

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

CONTEMPORARY ISSUES

Anthropology

- ANTH 110 Anthropology of Multicultural America*†
 ANTH 201 Contemporary Practical Anthropology
 ANTH 230 Anthropology of Conflict and Violence
 ANTH 240 Human Variation*

Classics and General Humanities

- GNHU 176 Italians and Italian-Americans: Comparative Studies

Curriculum and Teaching

- INDS 249 Alternate Energy
 ISED 101 Technology and Culture: Past, Present and Future

Earth and Environmental Studies

- ENVR 109 The Human Environment
 GEOS 221 Conservation of Natural Resources

Educational Foundations

- EDFD 264 Gender Issues in Education*
 EDFD 477 Ethnic/Racial Groups and the Schools in America

English

- ENGL 275 Vietnam War and American Culture

Health Professions, Physical Education, Recreation, and Leisure Studies

- HLTH 210 Consumer Health
 HLTH 213 Perspectives on Drugs
 PEMJ 227 Social Problems in Sports
 PERL 208 Leisure and Recreation in Society

Honors Program

- HONP 102 Honors Seminar in Twentieth Century Civilization, Part 1**

Human Ecology

- HECO 205 Women in Contemporary Society*
 HEDN 260 Housing and Society
 HEFM 344 Challenge of Aging
 HEFM 445 The Inner City Family*†
 HEMG 270 Individual Management: Theories and Strategies
 HENU 153 Food and People

Legal Studies

- LSLW 220 Conflict and Its Resolution*

Linguistics

- LNGN 250 Language of Propaganda

Literacy and Educational Media

- MEDI 355 Media in Intercultural Communication*†

Management

- MGMT 363 Business and Society

Mathematical Sciences

- PHED 101 Technology and Culture: Past, Present, and Future

Philosophy and Religion

- RELG 225 Religion and Social Change

Psychology

- PCOM 245 Introduction to Community Psychology
 PSYC 102 Women's Worlds*
 PSYC 109 The Human Environment
 PSYC 231 Psychology of Aggression*

Sociology

- SOCI 113 Social Problems
 SOCI 202 Racial and Ethnic Relations*†
 SOCI 209 Sociology of Poverty and Welfare
 SOCI 211 Sociology of Health and Illness
 SOCI 212 Sociology of Technology
 SOCI 216 Sociology of Food and Population
 SOCI 218 Sociology of Population
 SOCI 230 Sociology of Conflict and Violence

Spanish/Italian

- ITAL 281 Contemporary Italian Cultural Studies

Women's Studies

- WMST 102 Women's Worlds*

FINE AND PERFORMING ARTS: ART APPRECIATION

Art and Design

- ARAN 190 Introduction to the Visual Arts
 ARFI 281 Global Textiles
 ARFM 280 Film as Art: Historical and Contemporary
 ARGS 280 Art Forum
 ARHS 105 Art in Western Civilization: Ancient and Medieval
 ARHS 106 Art in Western Civilization: Renaissance to Modern
 ARHS 108 Women in Art
 ARHS 215 Ancient Art
 ARHS 217 Selected Masterpieces of World Art
 ARHS 230 History of the Print
 ARHS 275 Afro-American Art*
 ARHS 276 History of Textiles: Focus on the Americas
 ARHS 327 History of Oriental Art
 ARHS 328 Survey of Greek Art
 ARHS 450 Modern Architecture

Classics and General Humanities

- GNHU 208 Introduction to the Film
 GNHU 288 Music and Art in French Civilization

English

- ENFL 208 Introduction to the Film

Honors Program

- HONP 201 Honors Seminar in the Foundations of the Creative Process**

Music

- MUGN 100 Introduction to Music
 MUGN 160 Introduction to Music in World Cultures
 MUGN 209 Introduction to Jazz*
 MUGN 236 The American Musical
 MUGN 237 Appreciation of the Opera
 MUGN 238 Orchestral Literature
 MUGN 240 Music of the Romantic Period

Theatre and Dance

- DNCE 105 Dance Appreciation
 DNCE 315 Dance History: Primitive to 1850
 DNCE 316 Dance History: 1850 to Present
 THTR 100 Introduction to the Theatrical Medium
 THTR 265 The Contemporary Theatre of Cultural Diversity*
 THTR 280 The Power of Masks*

FOREIGN LANGUAGE

Classics and General Humanities

- GREK 101 Beginning Greek I
 GREK 112 Beginning Greek II
 GREK 121 Intermediate Greek I
 GREK 132 Intermediate Greek II
 LATN 101 Beginning Latin I
 LATN 112 Beginning Latin II
 LATN 121 Intermediate Latin I
 LATN 132 Intermediate Latin II

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

LATN 201 Latin Literature of the Republic
 LATN 202 Latin Literature of the Golden Age
 LATN 203 Latin Literature of the Silver Age

French, German, and Russian

FREN 101 Beginning French I
 FREN 112 Beginning French II
 FREN 121 Intermediate French I
 FREN 132 Intermediate French II
 FREN 145 Introduction to French Culture
 FREN 146 Readings in French Literature
 GERM 101 Beginning German I
 GERM 103 Beginning German I (Reading)
 GERM 112 Beginning German II
 GERM 114 Beginning German II (Reading)
 GERM 121 Intermediate German I
 GERM 123 Intermediate German I (Reading)
 GERM 132 Intermediate German II
 GERM 134 Intermediate German II (Reading)
 GERM 151 Advanced German I
 GERM 152 Advanced German II
 GERM 251 Introduction to German Literature I
 GERM 252 Introduction to German Literature II
 GERM 351 German Civilization I
 GERM 352 German Civilization II
 RUSS 101 Beginning Russian I
 RUSS 112 Beginning Russian II
 RUSS 121 Intermediate Russian I
 RUSS 132 Intermediate Russian II
 RUSS 141 Advanced Russian I
 RUSS 152 Advanced Russian II

Linguistics

CHIN 101 Beginning Chinese I
 CHIN 102 Beginning Chinese II
 CHIN 201 Intermediate Chinese I
 CHIN 202 Intermediate Chinese II
 JAPN 101 Beginning Japanese I
 JAPN 102 Beginning Japanese II
 JAPN 201 Intermediate Japanese I
 JAPN 202 Intermediate Japanese II
 LNGN 220 Structure of American English

Spanish/Italian

ITAL 101 Italian I
 ITAL 102 Italian II
 ITAL 103 Italian III
 ITAL 104 Italian IV
 ITAL 340 Studies in Italian Literature: Origins to 18th Century
 ITAL 341 Studies in Italian Literature: 18th through
 20th Centuries
 ITAL 360 Italian Cultural History
 PORT 101 Portuguese I
 PORT 102 Portuguese II
 PORT 103 Portuguese III
 PORT 104 Portuguese IV
 PORT 160 Masterpieces in Portuguese Literature
 PORT 162 Masterpieces in Brazilian Literature
 PORT 260 Luso-Brazilian Culture
 SPAN 101 Spanish I
 SPAN 102 Spanish II
 SPAN 103 Spanish III
 SPAN 104 Spanish IV

SPAN 120 Comprehensive Spanish I and II
 SPAN 135 Spanish for Native Speakers
 SPAN 140 Comprehensive Spanish III and IV
 SPAN 145 Readings in Hispanic Literature
 SPAN 280 Cuban Cultural History*
 SPAN 361 Masterpieces of Spanish Literature I
 SPAN 362 Masterpieces of Spanish Literature II
 SPAN 363 Masterpieces of Spanish-American Literature I
 SPAN 364 Masterpieces of Spanish-American Literature II
 SPAN 374 Spanish Cultural History
 SPAN 376 Spanish-American Cultural History*

HUMANITIES

World Literature or General Humanities

Art and Design

ARHS 250 Modern Philosophies of Art

Classics and General Humanities

GNHU 115 Troy and the Trojan War
 GNHU 201 General Humanities I (to 1400)
 GNHU 202 General Humanities II (from 1400)
 GNHU 211 Classicism and American Culture
 GNHU 285 Mythology

English

ENLT 206 World Literature: The Coming of Age Theme
 ENLT 207 World Literature: Voices of Tradition and Challenge

Philosophy/Religion

Educational Foundations

EDFD 220 Philosophical Orientation to Education

Philosophy and Religion

PHIL 100 Introduction to Philosophy
 PHIL 106 Logic
 PHIL 210 Ethics
 PHIL 212 Social and Political Philosophy
 RELG 100 Religions of the World
 RELG 101 Introduction to Religion
 RELG 103 Religion and Moral Issues
 RELG 107 Death and Dying: Religious Perspectives
 RELG 221 Religion and Culture

MATHEMATICS AND COMPUTER SCIENCE

Computer Science

Computer Science

CMPT 107 Computers and Society
 CMPT 108 Computers and Programming
 CMPT 109 Introduction to Computer Applications:
 Being Fluent with Information Technology
 CMPT 112 Honors Seminar in Computing**
 CMPT 183 Foundations of Computer Science I (1)

Honors Program

HONP 112 Honors Seminar in Computing**

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

Mathematics

Honors Program

HONP 104 Honors Seminar in Fractals and Infinity**

Mathematical Sciences

MATH 103 The Development of Mathematics

MATH 104 Fractals and Infinity

MATH 106 Contemporary Applied Math for Everyone

MATH 109 Statistics

MATH 116 Calculus A (1)

MATH 122 Calculus I (1)

MATH 221 Calculus II (1)

NATURAL/PHYSICAL SCIENCE

Laboratory or Non-Laboratory Science

Biology and Molecular Biology

BIOL 100 Biological Sciences

BIOL 103 Basic Biology I

BIOL 104 Basic Biology II

BIOL 110 The Biology of Human Life

Chemistry and Biochemistry

CHEM 100 Introductory Chemistry

CHEM 120 General Chemistry I (1)

Earth and Environmental Studies

GEOS 107 Planet Earth

GEOS 112 Physical Geology

GEOS 114 Historical Geology

GEOS 125 Earth and the Environment

GEOS 257 Understanding Weather and Climate

(for students who take the course fall 2002 or thereafter)

Honors Program

HONP 210 Honors Seminar in Science I**

Mathematical Sciences

PHYS 100 Concepts in Science

PHYS 105 Science of Sound

PHYS 191 University Physics I (1)

PHYS 192 University Physics II (1)

PHYS 193 College Physics I (1)

PHYS 194 College Physics II (1)

Laboratory Science Only

Biology and Molecular Biology

BIOL 121 The Plant Kingdom (1)

Non-Laboratory Science Only

Anthropology

ANTH 101 Physical Anthropology

Biology and Molecular Biology

BIOL 107 Biology for Survival

BIOL 109 The Living World

BIOL 111 Emerging Diseases

BIOL 215 Human Heredity

Chemistry and Biochemistry

CHEM 102 Our Material World

Earth and Environmental Studies

EUGS 100 Principles of Geography

GEOS 108 Principles of Geology

GEOS 110 Natural Disasters

GEOS 162 General Oceanography

GEOS 257 Understanding Weather and Climate

(for students who take the course prior to fall 2002)

Health Professions, Physical Education, Recreation, and Leisure Studies

HLTH 240 Foundations of Environmental Health

Honors Program

HONP 211 Honors Seminar in Science II**

Human Ecology

HENU 182 Nutrition

Mathematical Sciences

PHYS 104 History of Science

PHYS 106 Science and Society

PHYS 180 Descriptive Astronomy

PHYSICAL EDUCATION

Health Professions, Physical Education, Recreation, and Leisure Studies

PEGN 200 Beginning Swimming

PEGN 201 Springboard Diving

PEGN 202 Badminton

PEGN 203 Golf

PEGN 240 Platform Tennis

PEGN 242 Racquetball

PEGN 250 Intermediate Swimming

PEGN 251 Aerobic Activities

PEGN 252 Archery

PEGN 253 Gymnastics

PEGN 257 Weight Training and Conditioning

PEGN 258 Beginning Tennis

PEGN 260 Beginning Riding

PEGN 261 Fencing

PEGN 262 Volleyball

PEGN 263 Jogging

PEGN 264 Soccer

PEGN 265 Figure Skating

PEGN 266 Skiing

PEGN 267 Advanced Swimming

PEGN 268 Bicycling

PEGN 270 Folk and Square Dance

PEGN 271 Social Dance

PEGN 272 Bowling

PEGN 274 SCUBA Diving

PEGN 275 Beginning Karate

PEGN 278 Yoga

PEGN 279 Climbing and Rappelling

SOCIAL SCIENCE

American or European History

Classics and General Humanities

GNHU 281 Greek Civilization

GNHU 282 Roman Civilization

Curriculum and Teaching

INDS 248 Historical Perspectives of American Industries-
Field Study

History

HIST 101 Connections: Years That Made History

HIST 103 Foundations of Western Civilization

HIST 105 Emergence of European Civilization 1500-1914

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

- HIST 106 Contemporary Europe, 1914-Present
 HIST 110 Introduction to American Civilization
 HIST 111 Contemporary American Issues in Historical Perspective
 HIST 117 History of the United States To 1876
 HIST 118 History of the United States Since 1876
 HIST 281 Greek Civilization
 HIST 282 Roman Civilization

Non-Western Cultural Perspectives

Anthropology

- ANTH 115 Cultures of the Middle East*
 ANTH 120 Native North Americans*
 ANTH 130 Cultures of Southeast Asia*
 ANTH 140 Nonwestern Contributions to the Western World*
 ANTH 150 Native Latin Americans*
 ANTH 170 Peoples of Africa*
 ANTH 312 Peasant Culture
 ANTH 431 Development of Indian Character and Culture
 ANTH 432 Development of Japanese Character and Culture

Art and Design

- ARHS 220 Art in Non-Western Societies*

Classics and General Humanities

- GNHU 289 Francophone Film*
 GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies

- EUGS 412 Geography of the Sub-Sahara Africa
 EUGS 413 Geography of the Middle East

Economics and Finance

- ECON 303 Economic Growth and Development

French, German, and Russian

- FREN 289 Francophone Film*
 FRIN 289 Francophone Film*
 GRIN 293 Russian Culture and Civilization

History

- HIST 108 Introduction to African Civilization*
 HIST 109 Introduction to Islamic Civilization*
 HIST 114 Early Latin American Civilization*
 HIST 131 Introduction to Indian Civilization*
 HIST 132 Introduction to Chinese Civilization*
 HIST 223 Communist Revolution in China
 HIST 431 Development of Indian Character and Culture
 HIST 432 Development of Japanese Character and Culture

Latin American and Latino Studies

- LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction*

Philosophy and Religion

- RELG 210 Native American Religions*

Political Science

- POLS 204 Government and Politics of Africa*
 POLS 206 Government and Politics of China and Japan*

Sociology

- SOCI 220 Sociology of Rich and Poor Nations

Survey Courses

Anthropology

- ANTH 100 Cultural Anthropology*
 ANTH 102 Anthropological Linguistics
 ANTH 103 Prehistoric Archaeology

Earth and Environmental Studies

- EUGS 101 Human Geography

Economics and Finance

- ECON 100 Introduction to Economics

- ECON 101 Principles of Economics: Macro

- ECON 102 Principles of Economics: Micro

Honors Program

- HONP 202 Honors Seminar on Social Analysis**

Legal Studies

- LSLW 200 Introduction to Law

Linguistics

- LNGN 210 Introduction to General Linguistics

Political Science

- POLS 201 Comparative Politics

Psychology

- PSYC 101 General Psychology I: Growth and Development
 PSYC 246 Psychology of the Black Experience*†

Sociology

- SOCI 100 The Sociological Perspective

Topic Courses

Anthropology

- ANTH 202 Cultural Change and Modernization
 ANTH 210 Urban Anthropology*†
 ANTH 220 American Folk Culture

Classics and General Humanities

- GNHU 181 Introduction to Classical Archaeology

Earth and Environmental Studies

- EUGS 102 World Geography
 EUGS 206 Introduction to American Urban Studies*
 EUGS 208 Land and Life in Latin America*
 EUGS 213 Urban Geography*†

Economics and Finance

- ECON 215 The Economics of Social Problems*†
 ECON 403 Comparative Economic Systems

Educational Foundations

- EDFD 440 Sociological Foundations of Education

Honors Program

- HONP 103 Honors Seminar in Twentieth Century Civilization, Part II**

Human Ecology

- HEFM 140 Family in Society
 HEMG 231 The Family in the Economic System

Information and Decision Sciences

- BSED 101 Contemporary Business

Linguistics

- LNGN 230 Language in Society
 LNGN 245 Language and Culture
 LNGN 255 Language and Gender*

Political Science

- POLS 100 Introduction to Politics
 POLS 101 American Government and Politics

Psychology

- PSYC 105 The Psychological Study of Social Issues
 PSYC 200 Educational Psychology
 PSYC 201 Child Psychology
 PSYC 202 Adolescent Psychology
 PSYC 225 Psychology of Adjustment
 PSYC 265 Psychology of Women*

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(I) Recommended for students with strong math/science background.

Sociology

- SOCI 101 Criminology
SOCI 204 Sociology of the Family
SOCI 207 Social Structure of American Society

ELECTIVES

The following may be used to satisfy the General Education Elective Requirement:

1. GER approved courses (other than Physical Education)
2. General introductory courses at the 100-level or 200-level in any department within the College of Humanities and Social Sciences, College of Science and Mathematics and School of the Arts.
3. Courses in the areas of Creative Expression and/or Personal/Professional Issues.

Note: General Education Electives must be taken outside the student's major.

Creative Expression

Art and Design

- ARAN 191 Visual Arts Studio
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I
ARCE 210 Ceramics: Pottery and Sculpture, Beginning II
ARDW 200 Drawing, Beginning I
ARDW 201 Life Drawing, Beginning I
ARDW 210 Drawing, Beginning II
ARDW 211 Life Drawing, Beginning II
ARFI 200 Fibers and Fabrics, Beginning I
ARFI 201 Textile Design, Introduction
ARFI 210 Fibers and Fabrics, Beginning II
ARFI 222 Surface Design, Introduction A
ARFI 223 Leather, Introduction A
ARFI 232 Surface Design, Introduction B
ARFI 233 Leather, Introduction B
ARFM 200 Film Making, Beginning I
ARFM 210 Film Making, Beginning II
ARFV 220 Video with Computer Multi-Media, Introduction A
ARGS 261 Multi-Media, Beginning
ARGS 361 Multi-Media, Advanced
ARIL 261 Humor/Satirical Illustration for Publication
ARPA 200 Painting, Beginning I
ARPA 210 Painting, Beginning II
ARPA 260 Figurative Painting
ARPG 360 Intermediate Papermaking
ARPH 200 Photography Beginning I: Contemporary Art Form
ARPH 300 Photography Intermediate: Contemporary Art Form
ARPM 200 Printmaking, Beginning I
ARPM 260 Etching and Relief Printing
ARPM 261 Lithography
ARSC 200 Sculpture, Beginning I
ARSC 210 Sculpture, Beginning II
ARSC 220 Sculpture: Fabrication, Introduction A
ARSC 221 Sculpture: Clay, Introduction A
ARSC 222 Sculpture: Metal Casting, Introduction A
ARSC 223 Sculpture: Welding/Brazing, Introduction A
ARSC 224 Sculpture: Carving, Introduction A
ARSC 226 Sculpture: Modeling/Casting, Introduction A
ARSC 230 Sculpture: Fabrication, Introduction B
ARSC 231 Sculpture: Clay, Introduction B
ARSC 232 Sculpture: Metal Casting, Introduction B
ARSC 233 Sculpture: Welding/Brazing, Introduction B
ARSC 234 Sculpture: Carving, Introduction B
ARSC 236 Sculpture: Modeling/Casting, Introduction B

Communication Studies

- SPCM 260 Oral Interpretation of Literature

Music

- MUCP 150 Fundamentals of Music for the Non-Major
MUGN 250 Rap and Rock as Cultural Phenomena
MUPR 100 Class Piano for the Non-Music Major
MUPR 103 Voice Class for the Non-Music Major
MUPR 105 Modern Guitar Workshop

Theatre and Dance

- DNCE 141 Dance Technique: Modern I
DNCE 351 Dance Technique: Ballet I
THTR 105 Acting I
THTR 363 Reader's Theatre

Personal/Professional Issues

Art and Design

- ARTH 280 Introduction to Art Therapy
ARTH 361 Group Art Therapy

Counseling, Human Development and Educational Leadership

- COUN 330 Dynamics of One-to-One Communication
COUN 331 Group Dynamics
COUN 432 Personal Values
COUN 482 Career Consciousness

Health Professions, Physical Education, Recreation, and Leisure Studies

- HLTH 101 Personal Health Issues
HLTH 220 Mental Health
HLTH 290 Human Sexuality

Human Ecology

- HEFM 141 Interpersonal Relations
HEFM 320 Parenting Skills and Resources
HETX 122 Clothing and Culture: A Multidisciplinary Study

Information and Decision Sciences

- BSED 309 Personal Finance

Psychology

- PSYC 103 Freshman Seminar

Sociology

- SOCI 206 Individual and Society

Multicultural Awareness Requirement

The purpose of the Multicultural Awareness Requirement is to ensure that all graduates are acquainted with the life, history, and contributions of Africans, African-Americans, Asian/Pacific Islanders, Latinos, Women and Native Americans. With the completion of this requirement, all graduates will have a fuller appreciation of our nation's heritage and future directions.

The following is a listing of the courses which meet this requirement. Certain of the courses listed below may simultaneously be used to meet the General Education Requirements and/or the Human and Intercultural Relations Requirement for Teacher Education, *if they are included on the approved list of these courses.*

Anthropology

ANTH	100	Cultural Anthropology
ANTH	110	Anthropology of Multicultural America
ANTH	115	Cultures of the Middle East
ANTH	120	Native North Americans
ANTH	130	Cultures of Southeast Asia
ANTH	140	Nonwestern Contributions to the Western World
ANTH	150	Native Latin Americans
ANTH	170	Peoples of Africa
ANTH	210	Urban Anthropology
ANTH	240	Human Variation
ANTH	380	Anthropology of Women

Art and Design

ARHS	220	Art in Non-Western Societies
ARHS	275	Afro-American Art
ARHS	458	African Art: Sub-Saharan

Classics and General Humanities

GNHU	186	Myths and Images of Women in French Literature
GNHU	289	Francophone Film
GNHU	381	Africa in Classical Antiquity
GNHU	383	Women in Antiquity
GNHU	399	Development of Black Thought

Counseling, Human Development and Educational Leadership

COUN	481	The Legal Rights of Women
------	-----	---------------------------

Curriculum and Teaching

CURR	412	Field Work in Urban Education
CURR	423	Teaching in Urban Schools

Earth and Environmental Studies

EUGS	206	Introduction to American Urban Studies
EUGS	208	Land and Life in Latin America
EUGS	213	Urban Geography
EUGS	301	Urban Field Studies
GELA	100	The Many Worlds of Latin America: Interdisciplinary Perspectives

Economics and Finance

ECON	215	The Economics of Social Problems
ECON	405	Economic Development of Sub-Saharan Africa

Educational Foundations

EDFD	264	Gender Issues in Education
EDFD	445	Puerto Rican Children in Mainland Schools

English

ENGL	238	Black Writers in the United States: A Survey
ENGL	294	Women Poets
ENLT	274	Twentieth Century Literature of Immigration
ENLT	366	African Myth and Literature
ENLT	367	Contemporary African Literature

French, German, and Russian

FREN	289	Francophone Film
------	-----	------------------

FRIN	289	Francophone Film
GRIN	297	Women in Russian Literature

History

HIST	108	Introduction to African Civilization
HIST	109	Introduction to Islamic Civilization
HIST	114	Early Latin American Civilization
HIST	115	History of Puerto Rico
HIST	131	Introduction to Indian Civilization
HIST	132	Introduction to Chinese Civilization
HIST	133	Modern Chinese Civilization
HIST	205	Minorities in American History
HIST	215	Women in American History
HIST	217	History of Black Americans

Human Ecology

HECO	205	Women in Contemporary Society
HEFM	445	The Inner City Family
HETX	122	Clothing and Culture: A Multidisciplinary Study

Latin American and Latino Studies

LALS	201	Perspectives on Latin America
LALS	205	Image and Identity: Representation of Latin American Women in Film and Fiction

Legal Studies

LSLW	220	Conflict and Its Resolution
------	-----	-----------------------------

Linguistics

LNGN	255	Language and Gender
------	-----	---------------------

Literacy and Educational Media

MEDI	355	Media in Intercultural Communication
------	-----	--------------------------------------

Management

MGMT	332	Minorities in Business
------	-----	------------------------

Music

MUGN	150	Influence of Afro-American Culture on Music
MUGN	209	Introduction to Jazz
MUGN	250	Rap and Rock as Cultural Phenomena
MUGN	309	The Art of Jazz

Philosophy and Religion

PHIL	237	Asian Philosophy
RELG	106	African Religious Traditions
RELG	108	African-American Religious Experience
RELG	210	Native American Religions
RELG	212	Asian Religions
RELG	213	Buddhism
RELG	267	Women in Religion

Political Science

POLS	204	Government and Politics of Africa
POLS	206	Government and Politics of China and Japan
POLS	214	Women in Politics
POLS	308	Ethnic Politics in America
POLS	312	Black Politics in America
POLS	404	Government and Politics of India and South Asia
POLS	405	Government and Politics of Latin America

Psychology

PSYC	102	Women's Worlds
PSYC	231	Psychology of Aggression
PSYC	245	Mental Health Issues of Hispanic Americans
PSYC	246	Psychology of the Black Experience
PSYC	265	Psychology of Women

Sociology

SOCI	202	Racial and Ethnic Relations
SOCI	205	Black Family
SOCI	311	Urban Sociology
SOCI	315	Social Stratification
SOCI	430	Sociology of Gender

*Spanish/Italian (*Taught in Spanish)*

SPAN	280	Cuban Cultural History*
SPAN	360	Hispanic Community Program*
SPAN	376	Spanish-American Cultural History*
SPAN	472	Puerto Rican Literature and Thought*
SPAN	475	Seminar on Hispanic Culture in the United States*
SPIN	161	Magic Realism in Spanish American Literature

Theatre and Dance

DNCE	345	Dance Technique: Ethnic
THTR	265	The Contemporary Theatre of Cultural Diversity
THTR	280	The Power of Masks

Women's Studies

WMST	102	Women's Worlds
------	-----	----------------

Writing Requirement

Written work is an important part of the Montclair State curriculum because writing offers students the opportunity to think deeply and searchingly about their subjects and because skill in written expression is crucial to the welfare of both individuals and society. Montclair State's policy regarding written work includes the following requirements and provisions:

1. The document "Standards for Formal Written Work," which is published in this catalog, outlines in a general way Montclair State's expectations concerning the content, organization, and format of written assignments. These provisions may be supplemented by departmental writing policy statements or by those of individual instructors.
2. As part of the General Education Requirement, each student must satisfy the communication requirement in writing, usually by taking College Writing I: Intellectual Prose.
3. Writing is an important part of course requirements throughout the institution (minimum: 1,500 to 2,000 words per course). This work may take such forms as essay examinations, research papers, laboratory reports, critical essays, and so forth.
4. All students must satisfy a graduation requirement in writing. Each department must evaluate the writing ability of its majors by means of a required course (or choice of courses) with substantial writing assignments (formal and informal), opportunities for revision and instructor feedback. Normally this course should be taken in the junior year. Students with serious writing problems will be identified early in the semester, referred to the Writing Center and/or provided with individual tutoring by the instructor. Students may not graduate until they have passed the course. Students should consult their academic advisor or major department chairperson regarding this course and other aspects of the department's writing policy. See list.
5. The Writing Center (Dickson Hall, Room 285, 973-655-7442) is available to all MSU students who are committed to developing themselves as writers. Whether students are encouraged to attend the Writing Center by an instructor, or choose it on their own, students will be provided with a tutor for weekly meetings. Writing Center tutors' abilities to give concrete, encouraging, and regular feedback will enable writers to improve their capacity to develop and express complex ideas meaningfully and clearly. There is no charge for this service.

Courses Satisfying the Graduation Requirement in Writing

Accounting, Law, and Taxation

Accounting

ACCT	303	Auditing Theory and Practice
------	-----	------------------------------

Anthropology

ANTH	102	Anthropological Linguistics
------	-----	-----------------------------

Art and Design

ARHS	105	Art in Western Civilization: Ancient and Medieval
ARHS	106	Art in Western Civilization: Renaissance to Modern

Biology and Molecular Biology

BIOL 380 Genetics

Broadcasting

BDCS 140 Writing for the Broadcasting Media

*Chemistry and Biochemistry**Chemistry*

CHEM 343 Experimental Physical Chemistry

CHEM 495 The Chemical Literature

Classics

GNHU 281 Greek Civilization

Latin

LATN 201 Latin Literature of the Republic

LATN 202 Latin Literature of the Golden Age

LATN 203 Latin Literature of the Silver Age

LATN 204 Latin Literature of the Middle Ages

Communication Sciences and Disorders

CS&D 201 Perspectives on Communication

*Communication Studies**Communication Studies*

SPCM 374 Group Processes

SPCM 388 Seminar in Public Relations

Computer Science

CMPT 287 Data Structures and Algorithms

*Curriculum and Teaching**Technology**Non-Teacher Education*

INDS 461 Management and Production

Teacher Education

ISED 362 Principles and Methods of Teaching

Industrial Education

Earth and Environmental Studies

EUGS 309 Research Methods

EUGS 310 Quantitative Methods in Geography and

Urban Studies

GEOS 434 Stratigraphy

GEOS 444 Petrology

GEOS 457 Meteorology

Economics and Finance

BEOS 320 Administrative Business Communications

FINC 490 Seminar in Finance

English

ENGL 200 The Pursuits of English

French, German, and Russian

FREN 350 Translation I

FREN 351 Translation II

FREN 452 Translation III

GERM 352 German Civilization II

General Humanities

GNHU 201 General Humanities I (to 1400)

GNHU 202 General Humanities II (from 1400)

*Health Professions, Physical Education, Recreation, and Leisure Studies**Health Education*

HLTH 315 Public Health

HLTH 330 Foundations of Health Education

Allied Health Services

HLTH 315 Public Health

HLTH 455 Core Concepts in the Delivery of Health Care

Physical Education and Health (Dual Certification)

HLTH 315 Public Health

Physical Education

HPEM 100 Orientation to the Field of Health and Physical Education

HPEM 352 Development and Philosophy of Physical Education

Recreation and Leisure Studies

PERL 124 Introduction to Recreation, Tourism, Hospitality and Leisure Services

PERL 322 History and Philosophy of Leisure, Play and Recreation

History

HIST 100 The Study of History

Human Ecology

HEMG 270 Individual Management: Theories and Strategies

Information and Decision Sciences

BEOS 320 Administrative Business Communications

Linguistics

LNGN 300 Syntax

Management

MGMT 316 Human Resource Management

Marketing

MKTG 442 Marketing Research

MKTG 483 Seminar in Retail Management

*Mathematical Sciences**Mathematics*

MATH 335 Elements of Linear Algebra

Physics

PHYS 280 Astronomy

PHYS 310 Advanced Mechanics

PHYS 350 Optics

PHYS 462 Nuclear Physics

Music

MUHS 307 Music History I

*Philosophy and Religion**Philosophy*

PHIL 331 History of Philosophy: Ancient Philosophy

PHIL 333 History of Philosophy: Modern Philosophy

Political Science

POLS 201 Comparative Politics

Psychology

PSYC 301 Experimental Psychology

Community Psychology

PCOM 387 Methods in Evaluation Research

Sociology

SOCI 201 Foundations of Sociological Inquiry

*Spanish/Italian**Spanish*

SPAN 242 Spanish Composition and Stylistics

SPAN 350 Translating I

SPAN 351 Translating II

SPAN 422 Practicum in Translating

Italian

ITAL 243 Italian Grammar and Composition II

Theatre and Dance

B.F.A. Dance

DNCE 315 Dance History: Primitive to 1850

DNCE 316 Dance History: 1850 to Present

B.F.A. Acting, Production/Design Theatre; B.A. Theatre
Teacher Certification

THTR 208 Play Script Interpretation

THTR 210 Theatre History: Classical to Elizabethan

THTR 211 Theatre History: Restoration to Modern

Women's Studies

WMST 402 Seminar in Women's Studies

Basic Skills Requirement

1. All students must demonstrate proficiencies in writing, reading, computation, elementary algebra, and speech which are compatible with the successful performance of college level work. The Montclair State University Basic Skills Requirement provides for the demonstration of such proficiencies through a program of skills assessment and academic development.
2. The Montclair State University Placement Test (MSUPT) is administered prior to the beginning of the fall and spring semesters. All students accepted to Montclair State will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT test scores are in and placements are determined. Transfer students may be required to present verification of upper class standing to the Academic Needs Assessment prior to registering for classes.
3. The Basic Skills Requirement in reading, writing, computation and elementary algebra may be fulfilled by achieving satisfactory scores on the appropriate sections of the MSUPT.
4. Students receiving low scores on the various sections of the MSUPT may have credits added to the number of semester hours required to graduate. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT.
5. Students are expected to take required developmental courses during their first semester at Montclair State. Full-time students must satisfactorily complete all required courses within the first year of enrollment. Part-time students must enroll in at least one required course during their first semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. No student may withdraw from developmental courses, and any student will be dismissed from Montclair State who does not satisfactorily complete the required developmental course(s).
6. Since the Mathematical Sciences and the Computer Science Department have Basic Skills prerequisites for all of its courses, students will not receive credit for any mathematics course if the Basic Skills Requirement in mathematics has not been satisfied.
7. The Montclair State University Basic Skills Requirement in speech must be fulfilled within a student's first 58 semester hour credits by:
 - A. Satisfactory completion of the Speech Communication Requirement.
 - OR**
 - B. Successful Speech Placement/Waiver evaluation:
Application for this examination may be made in early October or early February at the Department of Communication Studies. Passing the examination *does not* grant semester hour credit, only satisfaction of the Speech requirement.
8. All questions about Basic Skills should be addressed to the Academic Needs Assessment, Academic Success Center, Morehead Hall, Room 139, telephone 973-655-4476.

LEGEND OF ALPHA COURSE CODES

College of Education and Human Services

Counseling, Human Development and Educational Leadership
Counseling, Human Development and Educational Leadership COUN

Curriculum and Teaching
Curriculum and Teaching CURR
Industrial Studies ISED
Industrial Studies/Coop Education ISCE
Industrial Studies/Technology Education INDS
Industrial Studies/Vocational ISVC

Early Childhood and Elementary Education
Early Childhood Elementary Education ECEL

Educational Foundations
Educational Foundations EDFD
Educational Research ELRS

Human Ecology
Human Ecology HECO
Human Ecology/Design HEDN
Human Ecology/Education HEED
Human Ecology/Family HEFM
Human Ecology/Foods HEFD
Human Ecology/Management HEMG
Human Ecology/Nutrition HENU
Human Ecology/Textile HETX

Health Professions, Physical Education, Recreation, & Leisure Studies
Health Professions HLTH
Health and Physical Education HPEM
Physical Education/Major PEMJ
Physical Education/Non-major PEGN
Recreation PERL

Literacy and Educational Media
Educational Media MEDI
Reading READ

College of Humanities and Social Sciences

Anthropology
Anthropology ANTH
Anthropology/Practical PRAN

Classics and General Humanities
Classics/Greek GREK
Classics/Latin LATN
General Humanities GNHU

Communication Sciences and Disorders
Communication Sciences and Disorders CS&D

English
English ENGL
English/Film ENFL
English/Grammar ENGM

English/Interdisciplinary ENID
English/Literature ENLT
English/Writing ENWR

French, German, and Russian
French FREN
French/Interdisciplinary FRIN
German GERM
German/Interdisciplinary GRIN
Russian RUSS

History
History HIST
Social Science SOSO

Justice Studies
Justice Studies JUST

Legal Studies
Legal Studies/Law LSLW
Legal Studies/Paralegal LSPA
Legal Studies/Paralegal LSPR

Linguistics
Linguistics LNGN
Linguistics/American Sign Language AMSL
Linguistics/Chinese CHIN
Linguistics/ESOL ESOL
Linguistics/Japanese JAPN

Philosophy and Religion
Philosophy PHIL
Religion RELG

Political Science
Political Science POLS

Psychology
Psychology PSYC
Psychology/Community PCOM

Sociology
Sociology SOCI

Spanish/Italian
Spanish SPAN
Spanish/Italian Interdisciplinary SPIN
Italian ITAL
Portuguese PORT

Women's Studies
Women's Studies WMST

College of Science and Mathematics

Biology and Molecular Biology
Biology BIOL
Biology/Cell Culture BICL
Biology/Marine Sciences BIMS

Chemistry and Biochemistry
Chemistry CHEM

<i>Computer Science</i>	
Computer Science	CMPT

<i>Earth and Environmental Studies</i>	
Environmental Studies	ENVR
Urban and Geographic Studies	EUGS
Geography/Latin American	GELA
Geoscience	GEOS
Physics/Geoscience - Marine Science	PHMS

<i>Mathematical Sciences</i>	
Mathematics	MATH
Physics/Geoscience	PHYS
Physics/Geoscience Education	PHED
Statistics	STAT

<i>New Jersey School of Conservation</i>	
Conservation/Field Studies	CNFS

School of the Arts

<i>Art and Design</i>	
Fine Arts/Art Non-majors	ARAN
Fine Arts/Ceramics	ARCE
Fine Arts/Drawing	ARDW
Fine Arts/Art Education	ARED
Fine Arts/Art and the Environment	AREV
Fine Arts/Foundations	ARFD
Fine Arts/Fibers	ARFI
Fine Arts/Film Making	ARFM
Fine Arts/Video	ARFV
Fine Arts/Graphic Design	ARGD
Fine Arts/General Studies	ARGS
Fine Arts/Museum Studies	ARHM
Fine Arts/Art History	ARHS
Fine Arts/Illustration	ARIL
Fine Arts/Metalwork and Jewelry	ARMJ
Fine Arts/Painting	ARPA
Fine Arts/Performance Art	ARPF
Fine Arts/Papermaking	ARPG
Fine Arts/Photography	ARPH
Fine Arts/Printmaking	ARPM
Fine Arts/Sculpture	ARSC
Fine Arts/Art Studio	ARST
Fine Arts/Art Therapy	ARTH

<i>Broadcasting</i>	
Speech and Theatre/Broadcasting	BDCS

<i>Communication Studies</i>	
Speech and Theatre/Communication	SPCM

<i>Music</i>	
Music/Applied	MUAP
Music/Education	MUED
Music/General	MUGN
Music/History	MUHS
Music/Literature	MULT
Music/Management	MUMG
Music/Performance	MUPR
Music/Secondary Instrument	MSSN
Music/Technology	MUTC
Music/Theory/Composition	MUCP
Music/Therapy	MUTH

<i>Theatre and Dance</i>	
Speech and Theatre/Dance	DNCE
Speech and Theatre/Theatre	THTR

School of Business

<i>Accounting, Law, and Taxation</i>	
Accounting	ACCT
Business Law	BSLW

<i>Economics and Finance</i>	
Economics	ECON
Finance	FINC

<i>Information and Decision Sciences</i>	
Business Education	BSED
Business Education and Office Systems Administration	BEOS
Quantitative Methods	FINQ
Information and Decision Sciences	INFO

<i>Management</i>	
Management	MGMT

<i>Marketing</i>	
Marketing	MKTG
Marketing/Business	MKAD
Retail Merchandising and Management	DIST

Interdisciplinary Programs

Interdisciplinary Gen Ed 2002	GNED
African-American Studies Minor	AFAM
International Studies Minor	INTL
Latin American and Latino Studies Minor	LALS
Women's Studies Major and Minor	WMST

Special Programs

Cooperative Education	COED
Honors Program	HONP

ACADEMIC PROGRAMS BY DEPARTMENTS

ACCOUNTING, LAW AND TAXATION

SCHOOL OF BUSINESS

Chairperson: Frank J. Aquilino

Increased government regulation and business expansion demand added expertise of today's accountant. The department's accounting program at the undergraduate and graduate level prepares students for careers in public and private accounting.

The Certified Public Accountant (CPA) is concerned with public accounting. CPA's render a variety of services for their clients: conducting independent audits and providing accounting, tax, and management advisory services.

In the private sector, graduates are prepared primarily for industrial accounting leadership positions. The program emphasizes the structure, design, and analysis of accounting systems in the financial reporting and management decision processes.

The accounting courses integrate the study of theory and current practice with research and computer applications.

A Bachelor of Science degree is offered in Business Administration with a concentration in Accounting.

Business Administration Major

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	3
OR	
INFO 271 Managerial Statistics	3
FINC 321 Fundamentals of Finance	3
MKTG 340 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

MATH 113 Mathematics for Business I	3
MATH 114 Mathematics for Business II	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

Concentration in Accounting

Required Courses

	Semester Hours
ACCT 301 Intermediate Accounting I	3
ACCT 302 Intermediate Accounting II	3
ACCT 304 Contemporary Issues in Intermediate Accounting	3
ACCT 305 Individual and Business Taxes	3
ACCT 306 Internal Auditing	3
ACCT 307 Cost Management and Managerial Accounting I	3
ACCT 308 Cost Management and Managerial Accounting II	3
ACCT 401 Advanced Accounting	3
FINC 322 Capital Budgeting	3
FINC 425 Working Capital Management	3

Note: In order to sit for the CPA examination in The State of New Jersey a candidate must have earned a minimum of 150 credit hours. The BS in Business Administration, concentration in Accounting, is designed to allow students to pursue careers in accounting, but is not sufficient to satisfy the 150 hour requirement. Montclair State's M.B.A. program with a concentration in Accounting more than meets the 150 credit hour requirement. Course offerings at the graduate level are designed to provide students with the discipline specific knowledge and technical information that appears on the CPA examination. Students completing the undergraduate program must apply and meet the minimum entry requirements for the M.B.A. Program.

Courses of Instruction

ACCT 201 FUNDAMENTALS OF ACCOUNTING I 3.0

An introductory course emphasizing the user approach to financial accounting. Students acquire an understanding of accounting terminology, the theoretical foundation of financial accounting and a basic understanding of the composition and significance of various financial statements, with particular emphasis on current and non-current assets, current liabilities, and stockholders' equity. The course should enable students to critically analyze accounting information from an investor or creditor perspective.

ACCT 202 FUNDAMENTALS OF ACCOUNTING II 3.0

Completes the introduction to financial accounting by analyzing cash flows and financial statements. Introduces basic concepts of management accounting including cost classifications, product costing, cost-volume-profit analysis, operating and capital budgeting. The course will illustrate the use of accounting information for external reporting as well as internal decision making purposes.

Prerequisite: ACCT 201.

ACCT 301 INTERMEDIATE ACCOUNTING I 3.0

This course is for business majors only. The course builds on material presented in Fundamentals of Accounting I and II. Students acquire an improved understanding of the composition and significance of various segments of the income statement and balance sheet, particularly current assets and current liabilities leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate accounting.

Prerequisite: ACCT 202, Business Administration majors only.

ACCT 302 INTERMEDIATE ACCOUNTING II 3.0

A continuation of Intermediate Accounting I. Students acquire an improved understanding of the composition and significance of various segments of the balance sheet, particularly non-current assets, non-current liabilities and owners' equity leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate accounting.

Prerequisite: ACCT 301, Business Administration majors only.

ACCT 304

CONTEMPORARY ISSUES IN INTERMEDIATE ACCOUNTING 3.0

In-depth discussion of traditional intermediate financial accounting topics as well as recent developments in accounting valuation and reporting practices. Course builds on topics discussed in Intermediate Accounting I and II leading to an improved understanding of the preparation of various aspects of the financial statement as well as an enhancement of their ability to critically evaluate accounting.

Prerequisite: ACCT 302, Business Administration majors only. With departmental approval, ACCT 302 may be taken concurrently.

ACCT 305

INDIVIDUAL AND BUSINESS TAXES

3.0

The purpose of this course is to introduce students to a broad range of tax concepts and types of taxpayers to emphasize the role of taxation in the business decision-making process. Coverage includes on a broad basis, personal, corporate and partnership taxation.

Prerequisite: ACCT 202.

ACCT 306

INTERNAL AUDITING

3.0

This course reviews the internal auditing process. Emphasis is placed on the operational auditing as part of the internal auditing function, while interrelating the financial dimension into the total auditing process.

Prerequisite: ACCT 301 and 307, Business Administration majors only.

ACCT 307

COST MANAGEMENT AND MANAGERIAL ACCOUNTING I 3.0

This course examines the development of theory, concepts and practices of providing information for use within the organization. Cost concepts and classification schemes, the use of accounting information for internal decision making, static and flexible budgeting for managerial control and product costing techniques are among the topics presented.

Prerequisite: ACCT 202.

ACCT 308

COST MANAGEMENT AND MANAGERIAL ACCOUNTING II 3.0

Continues the development of theory, concepts and practices of providing information for use within the organization. Introduces quantitative models and techniques with emphasis on the measurement variable and parameters. Additional topics include allocation theory, divisional performance evaluation and transfer pricing.

Prerequisite: ACCT 307.

ACCT 401

ADVANCED ACCOUNTING

3.0

Advanced Accounting, an upper level undergraduate course, focuses on specialized topics such as accounting for combinations of business enterprises. Foreign exchange and the role of the SEC is also covered briefly. Fund accounting is briefly introduced for state and local governmental units as well as for nongovernment and nonbusiness organizations.

Prerequisite: ACCT 304, Business Administration majors only. With departmental approval, ACCT 304 may be taken concurrently.

BSLW 264

LEGAL, ETHICAL AND GLOBAL ENVIRONMENT OF BUSINESS 3.0

This course focuses on the interrelationship of social policies, the legal system, and global business practices in society, with emphasis on the rapidly changing business-legal environment. The relationships among governmental, ethical, social, and business issues will also be examined.

ANTHROPOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Kenneth Brook

All peoples and all aspects of human life are the subject of anthropology. The discipline stresses the study of nonwestern cultures, provides insights from these studies towards understanding the world we live in; and encourages responsibility by applying the results to problems in our rapidly changing world. The five basic fields are represented in the department: cultural anthropology, archaeology, physical anthropology, anthropological linguistics and applied anthropology. Two programs are offered: a bachelor of arts general anthropology major and a unique five-year combined undergraduate and graduate program in practical anthropology that leads to the master of arts degree. Both programs address diverse interests and career objectives.

ANTHROPOLOGY MAJOR

The general anthropology major, for which a B.A. degree is awarded, prepares students for advanced work that can lead to college teaching, museum curating work, and/or research, as well as careers in non-academic settings. For students interested in a strong liberal arts background, the general major is an excellent program which can be adapted to varied professional and career goals. An internship provides opportunities for students to test their knowledge in actual work settings. Additionally, the program can be adapted to meet certification requirements for teaching social studies in New Jersey secondary schools.

Semester Hours

Required Courses 21

ANTH 100	Cultural Anthropology	3
ANTH 101	Physical Anthropology	3
ANTH 102	Anthropological Linguistics	3
ANTH 103	Prehistoric Archaeology	3
ANTH 201	Contemporary Practical Anthropology	3
ANTH 300	Methods in Anthropological Research and Practice	3
ANTH 401	Seminar in Anthropological Theory	3

Cross Cultural Electives 9

ANTH 110	Anthropology of Multicultural America	3
ANTH 115	Cultures of the Middle East	3
ANTH 120	Native North Americans	3
ANTH 130	Cultures of Southeast Asia	3
ANTH 140	Nonwestern Contributions to the Western World	3
ANTH 150	Native Latin Americans	3
ANTH 170	Peoples of Africa	3
ANTH 220	American Folk Culture	3
ANTH 270	Archaeology of Ancient Middle America	3

Theory and Methods Electives 9

ANTH 210	Urban Anthropology	3
ANTH 230	Anthropology of Conflict and Violence	3
ANTH 240	Human Variation	3
ANTH 330	Anthropology of Food and Nutrition	3
ANTH 340	Anthropology of Work	3
ANTH 350	Anthropology of Aging and the Aged	3
ANTH 360	Cultural Ecology	3
ANTH 370	Experimental Archaeology	3
ANTH 380	Anthropology of Women	3
ANTH 405	Psychological Anthropology	3
ANTH 414	Selected Issues in Anthropology	3
ANTH 425	Anthropology of Religion	3
ANTH 430	Field Methods: Linguistics	3
ANTH 440	Medical Anthropology	3
ANTH 460	Field Methods: Visual Anthropology	3
ANTH 470	Archaeological Field Methods	3-6
ANTH 480	Independent Research in Anthropology	3

Internship 3-6

The internship is over and beyond the minimum 39 semester hours required by the major.

ANTH 490	Internship in Anthropology	3-6
----------	----------------------------------	-----

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

ANTHROPOLOGY MINOR

Semester Hours

Required Course 3

ANTH 100	Cultural Anthropology	3
----------	-----------------------------	---

Electives 15

ANTH 101	Physical Anthropology	3
ANTH 102	Anthropological Linguistics	3
ANTH 103	Prehistoric Archaeology	3
ANTH 110	Anthropology of Multicultural America	3
ANTH 115	Cultures of the Middle East	3
ANTH 120	Native North Americans	3
ANTH 130	Cultures of Southeast Asia	3
ANTH 140	Nonwestern Contributions to the Western World	3
ANTH 150	Native Latin Americans	3
ANTH 170	Peoples of Africa	3
ANTH 201	Contemporary Practical Anthropology	3
ANTH 210	Urban Anthropology	3
ANTH 220	American Folk Culture	3
ANTH 230	Anthropology of Conflict and Violence	3
ANTH 240	Human Variation	3
ANTH 270	Archaeology of Ancient Middle America	3
ANTH 300	Methods in Anthropological Research and Practice	3
ANTH 330	Anthropology of Food and Nutrition	3
ANTH 340	Anthropology of Work	3
ANTH 350	Anthropology of Aging and the Aged	3
ANTH 360	Cultural Ecology	3
ANTH 370	Experimental Archaeology	3
ANTH 380	Anthropology of Women	3
ANTH 401	Seminar in Anthropological Theory	3
ANTH 405	Psychological Anthropology	3
ANTH 425	Anthropology of Religion	3
ANTH 430	Field Methods in Linguistics	3
ANTH 440	Medical Anthropology	3
ANTH 460	Field Methods: Visual Anthropology	3
ANTH 470	Archaeological Field Methods	3

Minors may participate in ANTH 490 Internship in Anthropology, with the consent of the department and program coordinator. The internship may not count towards the 15 semester hours of electives required of the minor and is over and beyond the minimum 18 s. h. required by the minor.

FIVE-YEAR COMBINED UNDERGRADUATE AND GRADUATE PROGRAM IN PRACTICAL ANTHROPOLOGY CULMINATING WITH THE M.A. DEGREE

Director: Kenneth Brook

The five-year combined undergraduate and graduate program in practical anthropology culminating with the M.A. degree provides an integrated undergraduate and graduate education in anthropology. Its primary objective is to provide students with the knowledge, skills, and experience to pursue careers in applied anthropology. Students are instructed in the qualitative and quantitative methods used by practicing anthropologists. As senior/graduate apprentices, students participate in field experiences in regional public and private agencies. Under MSU faculty guidance and with professional supervision at the chosen agency, students collect information leading to the writing of a significant research paper. Simultaneously, they learn the practical skills of applying anthropology in a nonacademic setting. Growing occupational opportunities for practicing anthropologists exist in public interest organizations, market research and consumer affairs, multinational corporations, international relations, medical and mental health programs, and federal and state agencies. This is the only program of its type in the northeastern U.S.A.

	Semester Hours
Required Core Courses	12
ANTH 100 Cultural Anthropology	3
ANTH 101 Physical Anthropology	3
ANTH 102 Anthropological Linguistics	3
ANTH 103 Prehistoric Archaeology	3

Required Track Courses	18
ANTH 201 Contemporary Practical Anthropology	3
ANTH 210 Urban Anthropology	3
ANTH 300 Methods in Anthropological Research and Practice	3
ANTH 401 Seminar in Anthropological Theory	3
ANTH 550 Culture Change	3
PRAN 531 Regional Studies in Practical Anthropology	3

Quantitative Methods	4
SOCI 240 Statistics for Social Research	4

Cross Cultural Electives	6
ANTH 110 Anthropology of Multicultural America	3
ANTH 115 Cultures of the Middle East	3
ANTH 120 Native North Americans	3
ANTH 130 Cultures of Southeast Asia	3
ANTH 140 Nonwestern Contributions to the Western World	3
ANTH 150 Native Latin Americans	3
ANTH 170 Peoples of Africa	3

Theory and Methods Electives	12
Undergraduate Electives	6
ANTH 220 American Folk Culture	3
ANTH 230 Conflict and Violence	3
ANTH 240 Human Variation	3
ANTH 270 Archaeology of Ancient Middle America	3
ANTH 330 Anthropology of Food and Nutrition	3
ANTH 340 Anthropology of Work	3
ANTH 350 Anthropology of Aging and the Aged	3
ANTH 360 Cultural Ecology	3
ANTH 370 Experimental Archaeology	3
ANTH 380 Anthropology of Women	3
ANTH 405 Psychological Anthropology	3
ANTH 414 Selected Issues in Anthropology	3
ANTH 425 Anthropology of Religion	3
ANTH 430 Field Methods in Linguistics	3
ANTH 440 Medical Anthropology	3
ANTH 460 Field Methods: Visual Anthropology	3
ANTH 470 Field Methods in Archaeology	3
ANTH 480 Independent Research in Anthropology	3

Graduate Electives	6
ANTH 510 Ethnology	3
ANTH 520 Anthropology and International Communication	3
ANTH 530 Development Anthropology	3
ANTH 538 Ethnopsychology	3
ANTH 540 Anthropology of Cities	3
ANTH 547 Woman: A Cross-Cultural Perspective	3
ANTH 560 Applied Medical Anthropology	3
ANTH 570 Prehistoric North America	3
ANTH 601 Independent Anthropological Research	3

Related Allied/Cross Disciplinary Courses	18
5 Undergraduate Courses	
1 Graduate Courses	

Apprenticeship	24
PRAN 420 Pre-Apprenticeship in Anthropology I	3
PRAN 430 Pre-apprenticeship in Anthropology II	3
PRAN 520 Apprenticeship in Anthropology	9
PRAN 620 Post-Apprenticeship in Practical Anthropology	9

Courses of Instruction

ANTH 100	3.0
CULTURAL ANTHROPOLOGY	
Analysis of transcultural data; basic methodologies, concepts and goals of anthropology; the nature of culture, its role in human experience and its universality. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. Meets the Multicultural Awareness Requirement.	

ANTH 101	3.0
PHYSICAL ANTHROPOLOGY	
The biological basis of human evolution including surveys of human paleontology, primatology and human races. The relationship of culture to human development; lectures, field trips and the use of fossil and audio-visual materials. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science.	

ANTH 102	3.0
ANTHROPOLOGICAL LINGUISTICS	
Different linguistic systems will be analyzed through the use of informants (speakers) of non-Indo-European languages, and through published data from a variety of Amerindian and African languages. The relationship of linguistic structure and theory to cultural systems will be emphasized in individual student field experience and in readings and lectures. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.	

ANTH 103	3.0
PREHISTORIC ARCHAEOLOGY	
The development, method and theory of anthropological archaeology, analysis and interpretation of prehistoric cultural data by means of audio-visual, field and participatory involvement. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.	

ANTH 110	3.0
ANTHROPOLOGY OF MULTICULTURAL AMERICA	
Analysis of the diversity of racial, ethnic, religious, occupational, and other subcultures and subgroups within the U.S. Emphasis on the character of American culture. Subpopulations are examined in relationship to each other and to the mainstream culture. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.	

- ANTH 115**
CULTURES OF THE MIDDLE EAST 3.0
 The Middle East culture area in anthropological perspective. Emphasis is placed on the nature of different interlocking cultural systems which are adaptations to environmental stresses in the Middle East. The concepts of culture and society will be explored in the context of course materials. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 120**
NATIVE NORTH AMERICANS 3.0
 Amerindian cultures north of Mexico; representative tribes, their world views, and their adaptations to the environment, each other and European contact. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 140**
NONWESTERN CONTRIBUTIONS TO THE WESTERN WORLD 3.0
 Survey of scientific, medical, artistic, and other contributions from cultures outside the mainstream of European, North American, and Judeo-Christian history that influence our lives in the West today. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 150**
NATIVE LATIN AMERICANS 3.0
 Study of indigenous peoples of Latin America. Surveys earliest evidence of human occupation of Middle and South America and the Caribbean; diverse origins of food production; intellectual achievements; political organization; material contributions to world culture; and aspects of early European contact and conquest. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 170**
PEOPLES OF AFRICA 3.0
 Diversity in the lifestyles of representative African cultures; prehistory, culture change, and contemporary problems in sub-Saharan Africa. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 201**
CONTEMPORARY PRACTICAL ANTHROPOLOGY 3.0
 The course emphasizes the uses of anthropology in contemporary societies by stressing the skills and knowledge needed for the development of practical solutions to current problems. Special attention is placed on: policy decision-making, community development, cultural resource management, advocacy and social impact assessment. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- ANTH 210**
URBAN ANTHROPOLOGY 3.0
 The dynamics of acculturation; relationships between the study of cities and urban life and culture in urban subcultures and the broader urban community; values, various parts of the world. Special attention is paid to personality, behaviors and other aspects of the adjustment, the spread of urban life, processes of the people whose life-styles set them apart from the urbanization, and the strategies individuals and groups dominant society used to cope with life in the cities. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- ANTH 220**
AMERICAN FOLK CULTURE 3.0
 This course introduces students to the anthropological literature concerning American oral (folklore) and material (folklife) folk culture. Students are exposed to the different folklore traditions as well as analytical theory concerning them, in the first half of the course. The second half is devoted to the presentation and analysis of material folk culture. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- ANTH 230**
ANTHROPOLOGY OF CONFLICT AND VIOLENCE 3.0
 Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- ANTH 240**
HUMAN VARIATION 3.0
 The study of the origins, adaptations and evolution of races from a physical anthropology perspective. Misconceptions about race, intelligence and racism as well as theories and explanations of human variations will be covered. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.
- ANTH 270**
ARCHAEOLOGY OF ANCIENT MIDDLE AMERICA 3.0
 The archaeology of ancient cultures of Middle America. Consists of two major units (1) northern Mesoamerica, the Gulf Coast, Oaxaca and Central Mexican Aztecs (2) ancient Maya of Mexico and Central America.
- ANTH 300**
METHODS IN ANTHROPOLOGICAL RESEARCH AND PRACTICE 3.0
 An overview of nonstatistical research methods commonly used in anthropology, including participant observation, interviewing, questionnaire design, cultural domain analysis, ethnographic decision tree analysis, and network analysis. Emphasis on practical experience in applying these methods to research and applied problems.
- ANTH 330**
THE ANTHROPOLOGY OF FOOD AND NUTRITION 3.0
 Cultural effects on diet, nutritional status, disease, and ecology; anthropological contributions to the study of food and food habits.
- ANTH 340**
ANTHROPOLOGY OF WORK 3.0
 This course provides students with an understanding of human work across cultural space and historical time. Various subsistence strategies (e.g. foraging, pastoralism, agriculture and industrial) are covered. Connections among forms of work, the social relations of work, the meanings of work, and social stratification (e.g. class, gender, race/ethnicity, age) are discussed.
- ANTH 350**
ANTHROPOLOGY OF AGING AND THE AGED 3.0
 An analysis of the influences of cultural systems on the processes of aging. Special emphasis is placed on the behaviors and meanings attached to the stages of growing older in a variety of cultural systems.
- ANTH 360**
CULTURAL ECOLOGY 3.0
 The relationships between culture and the bio-physical environment, as well as the cultural environment. The emphasis will be on primitive and non-Western cultures.
- ANTH 370**
EXPERIMENTAL ARCHAEOLOGY 3.0
 The course will cover the manufacture, use, preservation, analysis and cataloging of prehistoric artifacts made of stone, bone, and wood.
Prerequisites: ANTH 103.
- ANTH 380**
ANTHROPOLOGY OF WOMEN 3.0
 The anthropological literature on women and women's issues in our own and pre-industrial, non-capitalist societies. The connections between environment technology and gender roles are investigated, and the kind of power women have in different societies over their own lives and those of others is assessed. The place of women in each society's symbolic system is also analyzed. Meets the Multicultural Awareness Requirement.
- ANTH 401**
SEMINAR IN ANTHROPOLOGICAL THEORY 3.0
 The development of anthropological theory during the past 100 years. Various subdisciplines of cultural and social anthropology are explored and applied to similar bodies of data.

ANTH 425
ANTHROPOLOGY OF RELIGION 3.0
Patterns of religious beliefs and behaviors which relate to sacred, supernatural entities. Origin theories, divination, witchcraft, mythology and the relationship of religious movements to other aspects of culture.

ANTH 440
MEDICAL ANTHROPOLOGY 3.0
Examination of cross-cultural concepts of illness, health and medical care. Ecological and historical aspects of diseases in human evolution are also studied.
Prerequisite: ANTH 101.

ANTH 460
FIELD METHODS: VISUAL ANTHROPOLOGY 3.0
This course is designed to provide students with opportunities to explore potential uses of photography in anthropological research and practice. Each student is guided in the development of a project which demonstrates the significance of recording and interpreting visual data in the study of selected aspects of culture, social interaction patterns, and/or individual behavior. As the focus of this experience is on the collection and interpretation of visual data, not the technical aspects of photography, only basic skills and knowledge about effective camera usage are required.
Prerequisite: Open to non-majors with the instructor's permission.

ANTH 470
ARCHAEOLOGICAL FIELD METHODS 3.0-6.0
Provides practical field experience in the various aspects of survey and excavation techniques. A specific area will be surveyed and a site will be excavated. May be repeated for credit.
Prerequisite: Departmental approval.

ANTH 480
INDEPENDENT RESEARCH IN ANTHROPOLOGY 3.0-6.0
Preparation of a paper on a major theoretical issue in anthropology. A tutorial without formal class meetings.
Prerequisite: Departmental approval.

ANTH 490
INTERNSHIP IN ANTHROPOLOGY 3.0-6.0
According to interest and preparation, students are placed in cooperating agencies in order to provide an opportunity to test their acquired theoretical knowledge and to gain disciplined practice in their profession. Under faculty guidance and agency supervision, students are to engage in anthropological fieldwork by conducting research and/or special projects.
Prerequisite: Departmental approval.

PRAN 420
PRE-APPRENTICESHIP IN ANTHROPOLOGY I 3.0
Identification of an applied research problem suitable for the apprenticeship, formulation of a set of research objectives, and review of the appropriate literature.
Prerequisite: ANTH 300.

PRAN 430
PRE-APPRENTICESHIP IN ANTHROPOLOGY II 3.0
Building on their knowledge of applied anthropology topics, selection of a research topic, and literature review in PRAN 420, this course provides students with instruction regarding the process of research site selection and project design. Students identify potential organizations for eventual apprenticeship placement. Emphasis is placed on the systematic gathering and analysis of information about both public and private sector organizations in the greater New York/New Jersey metropolitan area. This includes initial organization visitations relative to selecting an apprenticeship setting, the identification of an applied research problem, developing an apprenticeship contract, and preliminary research project design.
Prerequisite: PRAN 420.

ART AND DESIGN

SCHOOL OF THE ARTS

Chairperson: Daryl Joseph Moore

The department of Art and Design offers a Bachelor of Arts (B.A.) and a Bachelor of Fine Arts (B.F.A.) degree.

The B.F.A. degree program is a pre-professional program with specialization in ceramics, drawing, fibers and textiles, film and video, graphic design, illustration, jewelry, multi-media, painting, papermaking, photography, printmaking and sculpture. Courses in each specialization give intensive pre-professional experience preparing students for professional involvement in the visual arts.

The B.A. is a liberal arts degree with three concentrations: Studio, Art History and Art Education. The program in Studio is for students interested in liberal arts with a rich studio experience specializing in the same areas as those listed above in the B.F.A. program. The Art History program is for students interested in the historical development of art. The program in Fine Arts Education leads to certification to teach in public schools and is intended for students who want to teach art in schools, museums and community centers.

All students, except those interested in the Art History Program, must successfully complete a portfolio review for admission, in addition to meeting the Montclair State requirements. B.F.A. candidates must have an additional portfolio review once accepted to the Department.

Fine Arts Studio Major (BFA)

A pre-professional program for students who seek preparation in the visual arts.

Required Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I (May substitute ARIL 220 Illustration, Beginning I for graphic design students.)	3
ARFD 260 Color Studies I	3
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3
Major Studio Courses	15
Elected Studio Courses*	30
Art History Electives	6
ARGS 280 Art Forum	3
ARHS 462 Senior Seminar	3
ARST 400 Major Studio Project I (B.F.A.)	3
ARST 410 Major Studio Project II (B.F.A.)	10

*Up to 12 semester hours of electives other than studio may be applied if the student receives the prior approval of the B.F.A. Coordinator.

Fine Arts Major (BA)

Studio Concentration

A program for students who want studio experience as part of their liberal arts education.

Required Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I (May substitute ARIL 220 Illustration, Beginning I for graphic design students.)	3
ARFD 100 Design/Foundations of Visual Organizations I, 2D	3
ARFD 110 Design/Foundations of Visual Organizations II, 3D	3
ARFD 260 Color Studies I	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3
Art History Electives	6

Select 6 semester hours from 2 of the following categories:

1. Ancient Art through Medieval
2. Renaissance through Baroque (15th through 18th centuries)
3. 19th or 20th Century
4. Non-Western

Electives (Departmental)

Select 15 semester hours after advisement by the department. Include 3 sequential courses in same area of specialization (e.g. Sculpture, Beginning I; Sculpture, Beginning II; Sculpture, Advanced).

Art History Concentration

A liberal arts program for students whose interest is in the study of the history and development of the art of humankind in all its variations from antiquity to the twentieth century.

Required Courses

	Semester Hours
A. Foundation Courses (15 semester hours):	
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 200 Resources and Methods of Research in the Arts	3
B. Art History Courses (27 semester hours):	
1. Ancient Art History (select one course from the following):	3
ARHS 215 Ancient Art	3
ARHS 328 Survey of Greek Art	3
ARHS 483 Ancient Art in Italy: Etruscan and Roman Art	3
ARHS 455 Selected Problems in Art History (ancient topic only)	3
2. Medieval Art History (select one course from the following):	3
ARHS 322 Early Christian Byzantine Art	3
ARHS 323 Medieval Art	3
ARHS 332 Ancient Art of Europe	3
ARHS 455 Selected Problems in Art History (medieval topic only)	3
3. Renaissance Art History (select one course from the following):	3
ARHS 216 Renaissance Art in Italy: The Fifteenth Century	3
ARHS 324 Northern Renaissance Painting	3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century	3
ARHS 455 Selected Problems in Art History (renaissance topic only)	3
4. Baroque Art History (select one course from the following):	3
ARHS 325 Seventeenth and Eighteenth Century Art	3
ARHS 455 Selected Problems in Art History (17th or 18th century topic only)	3
5. 19th Century Art History (select one course from the following):	3
ARHS 459 Art of the Nineteenth Century	3
ARHS 460 Nineteenth Century American Architecture	3
ARHS 461 Nineteenth Century American Painting	3
ARHS 455 Selected Problems in Art History: 19th century topic only	3
6. 20th Century Art History (select one course from the following):	3
ARHS 331 Modern Art	3
ARHS 451 Contemporary Art	3
ARHS 469 Art of the Twentieth Century	3
ARHS 455 Selected Problems in Art History (20th century topic only)	3

7. Art History electives (select two courses from the following, except courses already taken to fulfill required courses under the above sections)	6
ARHM 340 Museum Practice	3
ARHS 108 Women in Art	3
ARHS 215 Ancient Art	3
ARHS 216 Renaissance Art in Italy: The Fifteenth Century	3
ARHS 220 Art in Non-Western Societies	3
ARHS 230 History of the Print	3
ARHS 250 Modern Philosophies of Art	3
ARHS 275 Afro-American Art	3
ARHS 322 Early Christian Byzantine Art	3
ARHS 323 Medieval Art	3
ARHS 324 Northern Renaissance Painting	3
ARHS 325 Seventeenth and Eighteenth Century Art	3
ARHS 326 The Critical Approach	3
ARHS 327 Asian Art	3
ARHS 328 Survey of Greek Art	3
ARHS 329 American Art	3
ARHS 331 Modern Art	3
ARHS 332 Ancient Art of Europe	3
ARHS 450 Modern Architecture	3
ARHS 451 Contemporary Art	3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century	3
ARHS 454 Field Trips in Art History	3
ARHS 455 Selected Problems in Art History	3
ARHS 457 Pre-Colombian, Oceanic, and African Art	3
ARHS 458 African Art: Sub-Saharan	3
ARHS 459 Art of the Nineteenth Century	3
ARHS 460 Nineteenth Century American Architecture	3
ARHS 461 Nineteenth Century American Painting	3
ARHS 469 Art of the Twentieth Century	3
ARHS 477 History of Photography	3
ARHS 478 Art in Public Places	3
ARHS 483 Ancient Art in Italy: Etruscan and Roman Art	3
8. Senior Thesis Course	3
ARHS 484 Independent Study: Senior Thesis (B.A. in Art History)	3
C. Required Collateral Courses (24 semester hours):	
1. GNHU 285 Mythology (fulfills GER World Lit)	3
2. Foreign Language	12
Two years in one of the following: French, German, Italian, or Latin (fulfills GER language requirement and J elective). Students who begin their foreign language requirement beyond the beginning level are still required to take a total of 12 semester hours in a foreign language.	
3. Studio Elective (select 3 semester hours from the following:	
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I	3
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing, Beginning I	3
ARFD 260 Color Studies I	3
ARFI 200 Fibers and Fabrics, Beginning I	3
ARFI 201 Textile Design, Introduction	3
ARFI 281 Global Textiles	3
ARFM 200 Film Making, Beginning I	3
ARFV 220 Video with Computer Multi-Media, Introduction A	3
ARIL 200 Illustration, Beginning I	3
ARIL 260 Introduction to Cartooning	3
ARIL 261 Humor/Satirical Illustration for Publication	3
ARMJ 200 Metalwork and Jewelry, Beginning I	3
ARPA 200 Painting, Beginning I	3
ARPA 260 Figurative Painting	3
ARPG 260 Introduction to Papermaking	3
ARPH 200 Photography, Beginning I, Contemporary Art Form	3
ARPM 200 Printmaking, Beginning I	3
ARPM 260 Etching and Relief Printing	3
ARPM 261 Lithography	3
ARPM 262 Screen Printing	3
ARSC 200 Sculpture, Beginning I	3
ARSC 210 Sculpture, Beginning II	3
4. Externship	
ARHM 460 Externship in Museum Studies	3
5. Religion	
RELG 200 Old Testament: Genesis - Joshua	
OR	
RELG 204 New Testament Jesus and the Gospels	3

Free Electives 7

1. Second Foreign Language - Students in art history should be aware that most graduate schools require a reading knowledge of French and German before admission. Latin and Italian or Spanish, depending on the student's area of study, may also be required. It is strongly recommended that students achieve a reading level such that they can do an accurate translation from French or German with a dictionary in a reasonable amount of time.
2. PHIL 260 Philosophies of Art
3. Studio Courses
4. Archeology elective
5. ARGS 280 Art Forum
6. Theatre or Music History

Students are strongly urged to take as many courses as possible in the history, literature, religion, and philosophy of their area of interest (that is, Ancient, Medieval, Renaissance, 17th-18th Century, Modern, or the art of a particular region). Those interested in Ancient Art are encouraged to complete a Minor in Archeology (18 semester hours) and to study Latin and ancient Greek. Those interested in Medieval, renaissance, and Baroque art are encouraged to take both Old Testament and New Testament courses as well as Latin.

Fine Arts Education Concentration

A degree program for students who wish to teach art in various settings including museums, community centers, and schools. Certification is for grades kindergarten through 12.

Required Courses

		Semester Hours
ARCE	200 Ceramics: Pottery and Sculpture, Beginning I	3
ARDW	200 Drawing, Beginning I	
	OR	
ARDW	201 Life Drawing, Beginning I	3
ARED	301 Foundations of Methods and Curriculum in Art Education I: K-12	3
ARED	401 Foundations of Methods and Curriculum in Art Education II: K-12	3
ARFD	100 Design/Foundations of Visual Organization I, 2D	3
ARFD	110 Design/Foundations of Visual Organization II, 3D	3
ARFD	260 Color Studies I	3
ARFI	200 Fibers and Fabrics, Beginning I	3
ARGD	200 Graphic Design Beginning I	3
ARHS	105 Art in Western Civilization: Ancient and Medieval	3
ARHS	106 Art in Western Civilization: Renaissance to Modern	3
ARMJ	200 Metalwork and Jewelry Beginning I	3
ARPA	200 Painting, Beginning I	3
ARPF	220 Theatre Arts I	3
ARPH	200 Photography I: A Contemporary Art Form	3
ARPM	200 Printmaking, Beginning I	3
ARSC	200 Sculpture, Beginning I	3

Elective (Departmental) 2

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Courses of Instruction

- ARAN 190
INTRODUCTION TO THE VISUAL ARTS 3.0
Introduction to the ways in which people have expressed themselves in the visual arts including painting, sculpture, crafts, architecture, film, photography, and graphic design explored through studio projects, reading and gallery and museum visits. The focus will be the nature and experience of art across many cultures and its central role in our daily lives. For non-majors. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: For non majors. Special fee.
- ARCE 200
CERAMICS: POTTERY AND SCULPTURE, BEGINNING I 3.0
Introduction to the development of works in clay, studio, forming methods, clay compositions, glazing and firing, design/aesthetic/stylistic concerns, historical and contemporary ceramics. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- ARCE 210
CERAMICS: POTTERY AND SCULPTURE, BEGINNING II 3.0
Continuation of ARCE 200. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: ARCE 200. Special fee.
- ARCE 300
CERAMICS: POTTERY AND SCULPTURE, INTERMEDIATE 3.0
Continuation of ARCE 210.
Prerequisite: ARCE 210. Special fee.
- ARCE 400
CERAMICS: POTTERY AND SCULPTURE, ADVANCED 3.0
Continuation of ARCE 300. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval. Special fee.
- ARCE 450
INDEPENDENT STUDY IN CERAMICS: POTTERY AND SCULPTURE 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Instructor's permission. Departmental approval. Special fee.
- ARDW 200
DRAWING, BEGINNING I 3.0
Basic elements of line, tone, composition, and perspective; exploration of traditional and experimental media and materials; and investigation of still life, landscape, life drawing, portraiture, and abstraction. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- ARDW 201
LIFE DRAWING, BEGINNING I 3.0
Structure and proportions of the human figure. Study of skeletal and muscular structure, the figure at rest and in motion, isolated and in a setting. Expressive, as well as, analytical approach to drawing. Exploration of traditional, as well as, current techniques and media. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- ARDW 210
DRAWING, BEGINNING II 3.0
Continuation of ARDW 200. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: ARDW 200. Special fee.
- ARDW 211
LIFE DRAWING, BEGINNING II 3.0
Continuation of ARDW 201. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: ARDW 201. Special fee.
- ARDW 300
DRAWING, INTERMEDIATE 3.0
Continuation of ARDW 210.
Prerequisite: ARDW 210. Special fee.
- ARDW 301
LIFE DRAWING, INTERMEDIATE 3.0
Continuation of ARDW 211.
Prerequisite: ARDW 211. Special fee.
- ARDW 400
DRAWING, ADVANCED 3.0
Continuation of ARDW 300. May be repeated for a maximum of nine credits.
Prerequisite: ARDW 300. Special fee.
- ARDW 401
LIFE DRAWING, ADVANCED 3.0
Continuation of ARDW 301. May be repeated for a maximum of nine credits.
Prerequisite: ARDW 301. Special fee.
- ARDW 450
INDEPENDENT STUDY IN DRAWING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of 9 credits.
Prerequisite: Departmental approval. Special fee.
- ARDW 451
INDEPENDENT STUDY IN LIFE DRAWING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval. Special fee.
- ARED 301
FOUNDATIONS OF METHODS AND CURRICULUM IN ART EDUCATION I: K-12 3.0
Philosophical and theoretical basis of fine arts education; the sources of creativity, concepts of visual literacy and the role of art in individual human experience and in society; organization and presentation of experience, curriculum construction and application of theory to the school, museum, community center, adult education and other reaching situations. For fine arts education majors; this course must be taken simultaneously with *Teacher, School and Society* in the spring of the junior year.
Prerequisite: PSYC 200; Fine Arts Education majors only. Special fee.
- ARED 401
FOUNDATION OF METHODS AND CURRICULUM IN ART EDUCATION II: K-12 3.0
Organization and presentation of art experiences for a wide variety of teaching situations, including K-12, adult classes, museum settings and community centers. Exploration of media, understanding their expressive range, proficiency in their use, and adaptation to various teaching goals. Integration of theory and media.
Prerequisite: ARED 301; Fine Arts Education majors only. Special fee.
- ARFD 100
DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION I, 2D 3.0
Required for art majors. This core course deals with the foundations of visual organization. It is structured to develop the student's vocabulary, both visual and verbal through studio experience, lectures and discussions. The student's perception is heightened by emphasis on light, line, color, plane, texture, form, shape, time as basic elements in all art forms. Two and three dimensional concepts are introduced through a variety of materials and processes. Reading assignments, museum and gallery visits are required.
Prerequisite: Special fee.
- ARFD 110
DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION II, 3D 3.0
Continuation of ARFD 100. Required of all art majors.
Prerequisite: ARFD 100.
- ARFD 260
COLOR STUDIES I 3.0
Color and its interaction through problems in color relatedness, systems and theories. Color usage, the development of skills in paint application, use of colored papers and techniques of presentation. Lectures, discussions, reading assignments, museum and gallery visits.
Prerequisite: ARFD 100. Special fee.
- ARFD 360
COLOR STUDIES II 3.0
Continuation of ARFD 260.
Prerequisite: ARFD 260. Special fee.

ARFD 363		
INTRODUCTION TO COMPUTER GRAPHICS	3.0	
Learning how the Macintosh works, and how it is beneficial to the graphic designer and artist. Introduction to the programs Microsoft Word, Adobe Illustrator, Adobe Photoshop, and QuarkXPress. Using the scanner to input line art, gray-scale and color images. Black and white, and color output.		
<i>Prerequisite: Special fee.</i>		
ARFI 200		
FIBERS AND FABRICS, BEGINNING I	3.0	
Techniques employed by fiber artists and the textile industry; on-loom and off-loom weaving, spinning and vegetable dyeing, and fabric and fiber techniques in contemporary work. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFI 201		
TEXTILE DESIGN, INTRODUCTION	3.0	
Pattern rendering and putting designs into repeat for the textile industry. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFI 210		
FIBERS AND FABRICS, BEGINNING II	3.0	
One or more areas of endeavor selected for exploration. Emphasizes research into the various techniques and mastery of the methods. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARFI 200. Special fee.</i>		
ARFI 222		
SURFACE DESIGN, INTRODUCTION A	3.0	
Selected printing, dyeing and fabric manipulation techniques. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFI 232		
SURFACE DESIGN, INTRODUCTION B	3.0	
Continuation of ARFI 222. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARFI 222. Special fee.</i>		
ARFI 300		
FIBERS AND FABRICS, INTERMEDIATE	3.0	
Further exploration of a technique or techniques selected by the student. A research paper on the historical implications of a technique and a final project are required.		
<i>Prerequisite: ARFI 210. Special fee.</i>		
ARFI 301		
TEXTILE DESIGN, ADVANCED	3.0	
Advanced course in designing prints for the textile industry. Primary emphasis is the further development of a personal aesthetic appropriate to industry needs as well as that of the student-designer. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFI 201. Special fee.</i>		
ARFI 322		
SURFACE DESIGN, INTERMEDIATE	3.0	
Continuation of ARFI 232.		
<i>Prerequisite: ARFI 232. Special fee.</i>		
ARFI 400		
FIBERS AND FABRICS, ADVANCED	3.0	
Exploration of area or areas of textile techniques selected by the student. An exhibit of work done during the semester is to be planned and hung by the student. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFI 300. Special fee.</i>		
ARFI 422		
SURFACE DESIGN, ADVANCED	3.0	
Continuation of ARFI 322. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFI 322. Special fee.</i>		
ARFI 451		
INDEPENDENT STUDY IN TEXTILES	3.0	
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARFM 200		
FILM MAKING, BEGINNING I	3.0	
Basic elements of super 8 film production: script, camera, lighting, sound, editing, animation. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFM 210		
FILM MAKING BEGINNING II	3.0	
Basic elements of 16 mm film production. Script, camera, lighting, sound, editing, animation. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARFM 200. Special fee.</i>		
ARFM 280		
FILM AS ART: HISTORICAL AND CONTEMPORARY	3.0	
The development of the motion picture as an art form from its earliest stages to the present; the technical, social, economic, cultural and esthetic factors. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.		
ARFM 300		
FILM MAKING, INTERMEDIATE	3.0	
Continuation of ARFM 210.		
<i>Prerequisite: ARFM 210. Special fee.</i>		
ARFM 400		
FILM MAKING, ADVANCED	3.0	
Continuation of ARFM 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFM 300. Special fee.</i>		
ARFM 450		
INDEPENDENT STUDY IN FILM	3.0	
Topics selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARFV 220		
VIDEO WITH COMPUTER MULTI-MEDIA, INTRODUCTION A	3.0	
Students are introduced to criteria for aesthetic decision-making by producing video projects that record the real world, persuade or move viewers to action, express the student's personal visions and illustrate aesthetic values. Students are given skills of video production and its relationship to visual aesthetics. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFV 230		
VIDEO WITH COMPUTER MULTI-MEDIA, INTRODUCTION B	3.0	
Continuation of ARFV 220.		
<i>Prerequisite: ARFV 220. Special fee.</i>		
ARFV 320		
VIDEO WITH COMPUTER MULTI-MEDIA, INTERMEDIATE	3.0	
Continuation of ARFV 230.		
<i>Prerequisite: ARFV 230. Special fee.</i>		
ARFV 420		
VIDEO COMPUTER MULTI-MEDIA, ADVANCED	3.0	
Continuation of ARFV 320. May be repeated for a maximum of nine credits.		
<i>Prerequisites: ARFV 320. Special fee.</i>		
ARGD 200		
GRAPHIC DESIGN, BEGINNING I	3.0	
Introduction to graphic design principles. This course is involved in taking basic design information and translating it into a graphic design context, with main emphasis on communicating original ideas in a creative manner. Projects deal with graphic design principles, i.e., visual communication of information, composition, color, type, illustration, materials and methods of graphic design. Introduction to critique and presentation, along with the principle of the designer/client relationship.		
<i>Prerequisites: ARFD 100. Special fee.</i>		

- ARGD 210**
GRAPHIC DESIGN, BEGINNING II 3.0
 Focus on the various disciplines within graphic design: print (flat and folding), package, product and environmental graphics. Further exploration of type-faces and use of typography as well as advanced methods of comping and presentation. Emphasis on hand comping and computer typesetting. Beginning development of student portfolio. Overview of the history of design.
Prerequisite: ARGD 200. *Special fee.*
- ARGD 221**
TYPOGRAPHY I 3.0
 Typographic design including headline, body copy design and the fine points of kerning, leading column width, copy color, mixing of faces and use of negative space in typographic composition. Hand and computer comping of type. Current trends in typography.
Prerequisites: ARGD 210. *Special fee.*
- ARGD 300**
GRAPHIC DESIGN INTERMEDIATE 3.0
 Layout and mechanicals. Printing methods and proper preparation of mechanicals and computer files for pre-press and printing. Advanced comping methods (computer, printing papers, marker comping). Continued development of portfolio of student work.
Prerequisites: ARGD 210. *Special fee.*
- ARGD 400**
GRAPHIC DESIGN, ADVANCED I 3.0
 Class emphasis is on reinforcing the design process, along with learning the business of design, i.e., bidding, contracts, scheduling and client presentation. In-class work time is divided between studio and computer lab. Student will develop a portfolio of their work for final review.
Prerequisite: ARGD 300. *Special fee.*
- ARGD 410**
INTRODUCTION TO INTERACTIVE MULTIMEDIA DESIGN AND DEVELOPMENT 3.0
 This course will provide students with both a conceptual background and working knowledge necessary to produce a variety of interactive multimedia materials. The focus will be on the skills, techniques and creative components, including the integration of audio and video sources in preparing multimedia presentations. Instruction in the use of Microsoft Powerpoint, Macromedia Authorware and Macromedia Director, for creating multimedia pieces, will comprise the core of instruction and student work in this course.
- ARGD 423**
ADVERTISING DESIGN 3.0
 The specific nature of advertising and its connection to graphic design. What is involved in creating an advertising campaign. How designers work with advertisers and copywriters. A brief history of advertising and advertising agencies.
Prerequisite: ARGD 300 or departmental approval.
- ARGD 424**
PUBLICATION DESIGN 3.0
 How to effectively design a publication so that it easily communicates the client's needs. Combining type, photography and illustration in a page layout. Variations and limitations encountered in designing a publication. Design systems used in creating publications.
Prerequisite: ARGD 300.
- ARGD 434**
PACKAGE DESIGN 3.0
 A survey of the state of the art in packaging. Course projects will be based on the consumer product industry. Graphic problems for three-dimensional objects and display. Package design comprehensive techniques for art director and client presentation. Grasping product essence and interpreting client needs and the demands of the marketplace.
Prerequisite: ARGD 300. *Special fee.*
- ARGD 460**
GRAPHIC DESIGN, ADVANCED II 3.0
 Designing in the real world: the business of visual problem solving. Creating proposals, schedules, fees. With successful completion of this course, the student will have created a resume and professional portfolio for use in the field.
Prerequisite: ARGD 400. *Special fee.*
- ARGS 260**
VISUAL ARTS WORKSHOP 1.0-12.0
 Selected studio topics which represent current concerns within the contemporary world of the visual arts. May be repeated for credit.
Prerequisite: *Special fee.*
- ARGS 280**
ART FORUM 3.0
 A series of lectures/presentations by artists, critics, museum directors, art historians; and visits to museums and galleries. Introduces students to the creative process, philosophies of art, and the role of art in life. May be repeated for a maximum of nine credits. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARGS 350**
INDEPENDENT STUDY 1.0-6.0
 Topics for investigation selected with approval of the instructor. May be repeated for a maximum of twelve credits.
Prerequisite: Departmental approval. *Special fee.*
- ARGS 441**
EXTERNSHIP IN STUDIO 2.0-8.0
 Involvement beyond the campus in a museum, art institution, or industry or gallery, participation in inner city programs or study with an independent artist/craftsperson. Approval by supervising faculty, shall not exceed eight credit hours in total per semester. May be repeated for a maximum of twelve credits.
Prerequisite: Departmental approval.
- ARHM 340**
MUSEUM PRACTICE 3.0
 A study of museum techniques, much of it at museums in the metropolitan area with the participation of their staffs. Field trips and, if possible, brief apprenticeships.
Prerequisite: *Special fee.*
- ARHM 460**
EXTERNSHIP IN MUSEUM STUDIES 2.0-8.0
 Involvement beyond the campus in a museum, art institution, or gallery. Approval by a supervising faculty member required. May be repeated for credit. Total semester hours shall not exceed eight hours.
Prerequisite: Departmental approval. *Special fee.*
- ARHS 105**
ART IN WESTERN CIVILIZATION: ANCIENT AND MEDIEVAL 3.0
 The history of Western art and architecture from prehistory through the Middle Ages. Included among others are the arts of Ancient Egypt and the Near East, Greece, Rome and early Christianity. Museum visits and extensive reading. Required for Fine Arts majors. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARHS 106**
ART IN WESTERN CIVILIZATION: RENAISSANCE TO MODERN 3.0
 The history of Western art and architecture from Prehistoric Europe through the Middle Ages. The course covers ancient Mesopotamia and Egypt, Greece and Rome, then Byzantine, Early Medieval, Romanesque, and Gothic art. Museum visits and extensive reading. Required for Fine Arts majors. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARHS 108**
WOMEN IN ART 3.0
 The role and status of women in art from the Old Stone Age through the present; the special roles of women in the past in society, the role of women artists in Western culture from the Renaissance to the present; depictions of women in different iconographic categories; women as artists today. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: *Special fee.*
- ARHS 200**
RESOURCES AND METHODS OF RESEARCH IN THE ARTS 3.0
 Bibliographic and other scholarly resources; the special problems of scholarship and research.
Prerequisite: *Special fee.*

- ARHS 215
ANCIENT ART 3.0
The origins of art and the civilizations of the ancient world; Paleolithic man and the Sumerian, Hittite, Assyrian, Phoenician and Egyptian civilizations. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 216
RENAISSANCE ART IN ITALY: THE FIFTEENTH CENTURY 3.0
The formation of Renaissance painting, sculpture and architecture during the Quattrocento; Masaccio, Mantegna, Donatello, Brunelleschi, and Alberti emphasized.
Prerequisite: Special fee.
- ARHS 220
ART IN NON-WESTERN SOCIETIES 3.0
A consideration of the role of art in traditional non-Western societies. The course includes an introduction to the geographic setting, and an examination of the integration of art into society as a whole—the economics, social order, politics, history, religion and philosophy. The role art plays in social change and how it is affected by social change. Meets the Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 230
HISTORY OF THE PRINT 3.0
The principal types of prints from their beginnings to today. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 250
MODERN PHILOSOPHIES OF ART 3.0
The work of major writers about art in the nineteenth and twentieth centuries; the nature of the creative experience, the function of art in the life of the individual and of society, the nature of the creative process, the rise of new materials and institutions; the development of sentiments and attitudes affecting thinking in the field. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
Prerequisite: Special fee.
- ARHS 275
AFRO-AMERICAN ART 3.0
Afro-American art in the United States from colonial times to the present. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 322
EARLY CHRISTIAN-BYZANTINE ART 3.0
The emergence and development of early Christian art from its classical and late classical antecedents and its development up to Byzantine art.
Prerequisite: Special fee.
- ARHS 323
MEDIEVAL ART 3.0
Painting, sculpture and architecture in the Romanesque and Gothic periods.
Prerequisite: Special fee.
- ARHS 324
NORTHERN RENAISSANCE PAINTING 3.0
Fifteenth and sixteenth century painting in northern Europe with particular attention to Flanders and Holland; emphasis on Jan Van Eyck, Van Der Weyden, Bosch, Peter Bruegel and Matthias Gruenewald.
Prerequisite: Special fee.
- ARHS 325
SEVENTEENTH AND EIGHTEENTH CENTURY ART 3.0
Painting, sculpture, and architecture in western Europe from 1600 to 1800; Baroque and Rococo styles with emphasis on El Greco, Bernini, Rubens, Rembrandt, Poussin and Watteau.
Prerequisite: Special fee.
- ARHS 327
HISTORY OF ORIENTAL ART 3.0
The factors that shaped oriental society; the art of China, Korea, Japan, India, Southeast Asia and the neighboring Islamic world. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 328
SURVEY OF GREEK ART 3.0
Greek art including painting, sculpture and architecture from the Bronze Age through the Hellenistic period. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 329
AMERICAN ART 3.0
Art in the United States from the colonial period through the nineteenth century; the development of an American style in the light of its relationship to and dependence upon European art.
Prerequisite: Special fee.
- ARHS 450
MODERN ARCHITECTURE 3.0
Major contributions to the development of modern architecture in the nineteenth and twentieth centuries; the development of styles, structural innovations and theories of design. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 451
CONTEMPORARY ART 3.0
The work of major artists of the twentieth century with particular reference to the dominant ideas of the period; readings, museum trips, discussion of contemporary writing and criticism.
Prerequisite: Special fee.
- ARHS 452
RENAISSANCE ART IN ITALY: THE SIXTEENTH CENTURY 3.0
The great masters of the Cinquecento: Leonardo, Michelangelo, Raphael, Giorgione and Titian; the emergence of Mannerist art and architecture in Rome, Venice, Florence and Bologna.
Prerequisite: Special fee.
- ARHS 455
SELECTED PROBLEMS IN ART HISTORY 3.0
A seminar in topics like the works of an individual artist or a particular theme in art history (e.g. the human figure) or a particular technique (e.g. sculpture); lectures, reports, museum and studio visits, discussion. May be repeated for credit.
Prerequisite: Special fee.
- ARHS 458
AFRICAN ART: SUB-SAHARAN 3.0
The painting, sculpture and minor arts of the cultures of Africa; prehistoric remains and art traditions of the more recent past in the context of stylistic groupings; relation to ceremony and to daily life; symbolism and relations to the arts of other cultures. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 459
ART OF THE NINETEENTH CENTURY 3.0
The major movements of the nineteenth century: Classicism, Romanticism and Realism; the salon at mid-century; Impressionism; Post-Impressionism.
Prerequisite: Special fee.
- ARHS 462
SENIOR SEMINAR 3.0
Seminar in selected artistic problems of historic, social and philosophical nature.
Prerequisite: Departmental approval. Special fee.
- ARHS 469
ART OF THE TWENTIETH CENTURY 3.0
From Picasso to today; scientific and social forces transforming the artist's vision, including the theories of Freud and Bergson.
Prerequisite: Special fee.

ARHS 477		
HISTORY OF PHOTOGRAPHY	3.0	
The roots of photography, its practitioners and the social and historical circumstances surrounding its creation.		
<i>Prerequisite: Special fee.</i>		
ARHS 483		
INDEPENDENT STUDY IN ART HISTORY	2.0-8.0	
May be repeated for a maximum of twelve credit.		
<i>Prerequisite: Departmental approval. Special fee.</i>		
ARHS 484		
INDEPENDENT STUDY: SENIOR SEMINAR (B.A. ART HISTORY)	3.0	
With art history faculty advisement, each senior student will conduct a course of research in art history and complete a scholarly paper.		
<i>Prerequisites: ARHS 200 and departmental approval. Special fee.</i>		
ARHS 485		
ANCIENT ART IN ITALY: ETRUSCAN AND ROMAN ART	3.0	
The arts of the Etruscans and Romans in their historical, cultural and religious settings.		
<i>Prerequisite: Special fee.</i>		
ARIL 220		
ILLUSTRATION, BEGINNING I	3.0	
A study of the major historical and contemporary themes of illustration and its influences. Through slide presentation the work of leading illustrators will be shown and discussed and the relationship between illustration and fine art will be explored. Illustration assignments will provide concrete experience of the related thematic issues and introduce formal approaches and relevant techniques.		
<i>Prerequisite: ARFD 100. Special fee.</i>		
ARIL 230		
ILLUSTRATION, BEGINNING II	3.0	
Approaches to illustration and applications of illustration techniques within selected professional fields, such as book illustration and children's book illustration; media illustration; record, greeting card and poster illustration; and humorous and satirical illustration. One of these professional fields will be explored each semester, in rotation.		
<i>Prerequisite: ARIL 220. Special fee.</i>		
ARIL 260		
INTRODUCTION TO CARTOONING	3.0	
A studio exploration of the single-panel cartoon, humorous illustration, and the editorial cartoon through discussion, examination and experimentation. Cartoon formats, concepts, styles, techniques and history will be discussed. The student will experience creating cartoons from the isolation of an idea to the point of completion for publication. Students will receive on-going one-on-one critiques. Each major project assignment will culminate in a group critique, which will also serve as the "publication deadline" for each project.		
<i>Prerequisite: Special fee.</i>		
ARIL 320		
ILLUSTRATION, INTERMEDIATE	3.0	
Continuation of ARIL 230.		
<i>Prerequisite: ARIL 230. Special fee.</i>		
ARIL 420		
ILLUSTRATION, ADVANCED	3.0	
Continuation of ARIL 320. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARIL 320. Special fee.</i>		
ARMJ 200		
METALWORK AND JEWELRY, BEGINNING I	3.0	
Introduction to metal working and jewelry techniques traditionally used in the shaping of useful articles.		
<i>Prerequisite: Special fee.</i>		
ARMJ 210		
METALWORK AND JEWELRY, BEGINNING II	3.0	
Advanced design concepts and metalworking techniques.		
<i>Prerequisite: ARMJ 200. Special fee.</i>		
ARMJ 300		
METALWORK AND JEWELRY, INTERMEDIATE	3.0	
Traditional techniques, advanced design concepts and techniques.		
<i>Prerequisite: Departmental approval. Special fee.</i>		
ARMJ 400		
METALWORK AND JEWELRY, ADVANCED	3.0	
Continuation of ARMJ 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARMJ 300. Special fee.</i>		
ARMJ 450		
INDEPENDENT STUDY IN METALWORK AND JEWELRY	3.0	
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARPA 200		
PAINTING, BEGINNING I	3.0	
Exploration of painting media and modes of expression. Reading, gallery and museum visits. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARPA 210		
PAINTING, BEGINNING II	3.0	
Continuation of ARPA 200. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression.		
<i>Prerequisite: ARPA 200. Special fee.</i>		
ARPA 260		
FIGURATIVE PAINTING	3.0	
Rendering the human figure and expressing creative insights into figurative painting. May be repeated for a maximum of nine credits. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression.		
<i>Prerequisite: ARPA 200.</i>		
ARPA 300		
PAINTING, INTERMEDIATE	3.0	
Continuation of ARPA 210.		
<i>Prerequisite: ARPA 210. Special fee.</i>		
ARPA 400		
PAINTING, ADVANCED	3.0	
Continuation of ARPA 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPA 300. Special fee.</i>		
ARPA 450		
INDEPENDENT STUDY IN PAINTING	3.0	
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARPG 260		
INTRODUCTION TO PAPERMAKING	3.0	
Basic methods of making handmade paper as an art form; history and basic principles of handmade paper; contemporary directions and methods of forming.		
<i>Prerequisite: Special fee.</i>		
ARPG 360		
INTERMEDIATE PAPERMAKING	3.0	
Continuation of ARPG 260. Two-dimensional and three-dimensional forms. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression.		
<i>Prerequisite: ARPG 260. Special fee.</i>		
ARPG 460		
ADVANCED PAPERMAKING	3.0	
Continuation of ARPG 360. Development of personal expression and direction in the body of work produced. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPG 360. Special fee.</i>		
ARPH 200		
PHOTOGRAPHY BEGINNING I: CONTEMPORARY ART FORM	3.0	
The essentials of the photographic process including developing, enlarging, and exhibiting. Trips, films, discussions, lectures, criticism and demonstration. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		

ARPH 210		
PHOTOGRAPHY BEGINNING II: CONTEMPORARY ART FORM	3.0	
The essentials of the photographic process including developing, enlarging, portfolio creation, exhibiting, trips, videos, discussion, lecture, critiques, and demonstrations. A continuation of ARPH 200, Photography Beginning I: Contemporary Art Form.		
<i>Prerequisite: ARPH 200. Special fee.</i>		
ARPH 300		
PHOTOGRAPHY INTERMEDIATE: CONTEMPORARY ART FORM	3.0	
Continuation of ARPH 210. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARPH 210. Special fee.</i>		
ARPH 361		
SPECIAL PROCESS IN PHOTOGRAPHY	4.0	
Non-traditional light sensitive materials for use in the photographic image-making process. Extension of traditional boundaries of photography through new tools permitting greater image manipulation: gum bichromate, cyanotype, platinum, photo etching, and others.		
<i>Prerequisite: ARPH 300. Special fee.</i>		
ARPH 400		
PHOTOGRAPHY ADVANCED: CONTEMPORARY ART FORM	3.0	
Workshop, discussion, lecture, demonstrations, criticism; photography as an intensive learning experience; light sensitive materials, controls, photographic approach, selection, system and view camera. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPH 300. Special fee.</i>		
ARPH 451		
INDEPENDENT STUDY IN PHOTOGRAPHY: CONTEMPORARY ART FORM I	3.0	
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval. Permission of instructor.</i>		
ARPH 462		
THE COLOR PRINT, A CONTEMPORARY AESTHETIC APPROACH	4.0	
Photographic and printing techniques for the color prints; history of color photographic print; museum and gallery visits.		
<i>Prerequisite: ARPH 400. Special fee.</i>		
ARPH 463		
COMMERCIAL PHOTOGRAPHY	4.0	
Workshop and problem-solving of commercial applications in photography; view camera to 35mm, color and black and white materials, studio lighting, photo illustration, photo essay, marketing. Field trips, visiting professionals.		
<i>Prerequisite: ARPH 400. Special fee.</i>		
ARPM 200		
PRINTMAKING, BEGINNING I	3.0	
Woodcut, screen printing and monoprints; etching, drypoint and lithography. Exploration of new and advanced techniques. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARPM 210		
PRINTMAKING, BEGINNING II	3.0	
Consideration of printmaking media; particular attention to the growth and development of art-making concepts as they relate to the printmaking processes.		
<i>Prerequisite: ARPM 200. Special fee.</i>		
ARPM 260		
ETCHING AND RELIEF PRINTING	3.0	
Drypoint, engraving, etching and major techniques like line and open bite, soft ground, stop out procedure, lift ground, mezzotint and aquatint. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARPM 200. Special fee.</i>		
ARPM 261		
LITHOGRAPHY	3.0	
Chemicals, tools, materials and techniques of the process. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARPM 200.</i>		
ARPM 262		
SCREEN PRINTING	3.0	
Screen printing including misfit, tusche, glue, lacquer and stencil and photographic techniques.		
<i>Prerequisite: Special fee.</i>		
ARPM 300		
PRINTMAKING, INTERMEDIATE	3.0	
Continuation of ARPM 210.		
<i>Prerequisite: ARPM 210. Special fee.</i>		
ARPM 400		
PRINTMAKING, ADVANCED	3.0	
Continuation of ARPM 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPM 300. Special fee.</i>		
ARPM 450		
INDEPENDENT STUDY IN PRINTMAKING	3.0	
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisites: Departmental approval.</i>		
ARSC 200		
SCULPTURE, BEGINNING I	3.0	
Sculptural concepts using materials like plaster, metal, plastics, stone and wood. Gallery and museum visits. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 210		
SCULPTURE, BEGINNING II	3.0	
The course will focus on the figure (working from life) with auxiliary experiences in mold-making and casting. The materials will be clay (plasticine), plaster and armatures. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 221		
SCULPTURE: CLAY, INTRODUCTION A	3.0	
The use of clay to create sculptural forms; emphasis on developing skills and strengthening understanding of sculpture as an art form. Finished works may be composed of fired clay or unfired clay or clay in combination with other materials. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 231		
SCULPTURE: CLAY, INTRODUCTION B	3.0	
Continuation of ARSC 221. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARSC 221. Special fee.</i>		
ARSC 300		
SCULPTURE, INTERMEDIATE	3.0	
Continuation of ARSC 200 and 210.		
<i>Prerequisite: ARSC 200 and 210. Special fee.</i>		
ARSC 321		
SCULPTURE: CLAY INTERMEDIATE	3.0	
Continuation of ARSC 231.		
<i>Prerequisite: ARSC 231. Special fee.</i>		
ARSC 400		
SCULPTURE, ADVANCED	3.0	
Continuation of ARSC 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval. Special fee.</i>		
ARSC 421		
SCULPTURE: CLAY, ADVANCED	3.0	
Continuation of ARSC 321. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval. Special fee.</i>		
ARSC 450		
INDEPENDENT STUDY: SCULPTURE	3.0	
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisites: Departmental approval.</i>		

ARST 400
MAJOR STUDIO PROJECT I (B.F.A.) 3.0
With faculty advisement, each senior student will design and develop a studio project in a chosen area of specialization. The body of the work will be completed in Major Studio Project II.
Prerequisite: Departmental approval. Special fee.

ARST 410
MAJOR STUDIO PROJECT II (B.F.A.) 10.0
With faculty advisement, each senior student will complete and present a body of work in an area of extended specialization, the same area of specialization already established and explored in Major Studio I.
Prerequisite: ARST 400. Special fee.

ARTH 280
INTRODUCTION TO ART THERAPY 3.0
An historical and theoretical overview including the literature and current trends in the field. Students will use a variety of art materials to express personal symbolism, fantasy, and dreams. Open to non-majors. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.
Prerequisite: Special fee.



BIOLOGY AND MOLECULAR BIOLOGY

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: *Bonnie Lustigman*

The student can prepare for a biology career, graduate work, or professional programs in medicine, dentistry, medical technology, physical therapy, veterinary medicine, pharmacy and other fields related to biology, by taking the major requirements with a proper selection of electives. Students can obtain certification to teach biology by completing the professional sequence. A minor in biology is also available.

Outstanding students can take advantage of the honors program and be granted an "Honors in Biology" by fulfilling the prescribed requirements. For information about the program, contact the department chairperson.

Freshman courses offered for biology majors assume that the student has taken biology, chemistry and physics and at least three years of college preparatory mathematics in high school.

Biology Major

Required Courses

	Semester Hours
BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 199 Freshman Seminar in Biology	1
BIOL 213 Introduction to Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
BIOL 491 Research in Biology Literature	1
BIOL 490 Senior Seminar in Biology	2
OR	
BIOL 471 Biomedical Ethics	2

Collateral Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2

Select one sequence:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
OR	
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Select one sequence:

MATH 109 Statistics	3
MATH 111 Applied Precalculus	4
OR	
MATH 112 Precalculus Mathematics	3
MATH 116 Calculus A	4
OR	
MATH 122 Calculus I	4
MATH 221 Calculus II	4

Major Electives

Select one biology elective from each of the following 4 areas and one additional elective

A. Cell and Molecular	
BIOL 350 Microbiology	4
BIOL 433 Developmental Biology	4
BIOL 434 Molecular Biology	3
BIOL 435 Experimental Molecular Biology	3
BIOL 444 Cell Physiology	3

BIOL 445 Immunology	3
BIOL 446 Endocrinology	3
BIOL 475 Medical Genetics	3
BIOL 476 Biology of Cancer	3

B. Ecology

BIMS 220 Introduction to Marine Biology	4
BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 330 Introduction to Animal Behavior	3
BIOL 370 Principles of Ecology	4
BIOL 417 Evolution and Systematics	3
BIOL 420 Economic Botany	3
BIOL 426 New Jersey Flora	4
BIOL 430 Ornithology	3
BIOL 431 Entomology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Aquatic Ecology	3

C. Organismal

BIOL 417 Evolution and Systematics	3
BIOL 420 Economic Botany	3
BIOL 425 Elementary Plant Physiology	4
BIOL 426 New Jersey Flora	4
BIOL 432 Medical Entomology	3
BIOL 433 Developmental Biology	4
BIOL 439 Biology of Animal Parasites	3
BIOL 440 Gross Mammalian Anatomy	4
BIOL 441 Comparative Anatomy of Vertebrates	4
BIOL 442 Human Physiology	4
BIOL 443 Vertebrate Embryology	4
BIOL 445 Immunology	3
BIOL 446 Endocrinology	4
BIOL 447 Fundamentals of Pharmacology	3
BIOL 448 Mammalian Microanatomy	4
BIOL 450 Medical Microbiology	3

D. Research

BICL 404 Plant and Animal Histological Techniques	3
BICL 405 Cell Culture	3
BICL 406 Scanning Electron Microscopy	4
BIOL 409 Externship in Biological Research (Cooperative Education) I-4	
BIOL 411 Introduction to Transmission Electron Microscopy	4
BIOL 418 Biology Independent Research	4
BIOL 480 Research Community I: Organism Biology	4
BIOL 481 Research Community II: Molecular Biology	4

E. One additional elective from above.

Molecular Biology Major

The main objectives of our undergraduate Molecular Biology major are: to educate students in greater depth in molecular studies than would be possible in our Biology program, and to prepare students in the methodological advances which have changed the study of biology in recent years. The field of molecular biology has an impact on almost every other area of study in the biological sciences, and its development has led to expanded graduate and professional programs. The Molecular Biology curriculum will provide undergraduate students with a fundamental knowledge of the principles and practices inherent in the rapidly advancing field of molecular biology.

Students who major in Molecular Biology can also enter the burgeoning biotechnology industry, well prepared to compete in the modern scientific marketplace, as most institutions carry on basic or applied research in biomedical areas today using techniques of molecular biology. Students completing this major will be well-prepared to enter professional schools of medicine, dentistry, veterinary medicine, and optometry, as well as graduate programs.

Required Courses

	Semester Hours
BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 199 Freshman Seminar in Biology	1
BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 409 Externship in Biological Research (Cooperative Education) ..4	

OR	
BIOL 418 Independent Research	4
BIOL 434 Introductory Molecular Biology	3
BIOL 435 Experimental Molecular Biology	3

Collateral Chemistry Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2
CHEM 470 Biochemistry I	3
CHEM 471 Biochemistry II	3

Select one sequence:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

OR

PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Select one sequence:

MATH 109 Statistics	3
MATH 116 Calculus A	4

OR

MATH 122 Calculus I	4
MATH 221 Calculus II	4

Select one of the following:

CMPT 109 Computer Applications	3
--------------------------------------	---

OR

CMPT 183 Foundations of Computer Science I	
--	--

Electives

Select a least 8 semester hours from the following:

BICL 405 Cell Culture	3
BICL 406 Scanning Electron Microscopy	4
BIOL 409 Externship in Biological Research (Cooperative Education)1-4	
BIOL 411 Introduction to Transmission Electron Microscopy	4
BIOL 418 Biology Independent Research	4
BIOL 425 Elementary Plant Physiology	4
BIOL 442 Human Physiology	4
BIOL 443 Vertebrate Embryology	4
BIOL 444 Cell Physiology	3
BIOL 445 Immunology	3
BIOL 446 Endocrinology	4
BIOL 447 Fundamentals of Pharmacology	3
BIOL 450 Medical Microbiology	3
BIOL 471 Biomedical Ethics	2
BIOL 475 Medical Genetics	3
BIOL 476 Biology of Cancer	3
BIOL 492 Senior Colloquium	1

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. The course requirements are otherwise similar to those of the Biology major.

Second Teaching Field in Biological Sciences

An approved program of at least 30 semester hours with 18 credits at 100-200 level and 12 credits at 300-400 level and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Biology Honors

- Biology Major
 - Overall Grade Point Average 3.50
 - Biology Grade Point Average 3.70 with no grade lower than a "B"
 - Additional Courses
 - BIOL 418 Biology Independent Study
 - BIOL 491 Research in Biology Literature
- (2 Biology faculty sponsors needed)

Biology Major with Environmental Science Concentration

Required Courses

Semester Hours

BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 199 Freshman Seminar in Biology	1
BIOL 213 Introduction to Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
BIOL 491 Research in Biology Literature	1
BIOL 490 Senior Seminar in Biology	
OR	
GEOS 490 Seminar in Geoscience	2

Collateral Chemistry Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2

Collateral Mathematics Courses

Select one sequence:

MATH 112 Precalculus Mathematics	3
MATH 116 Calculus A	4

OR

MATH 122 Calculus I	4
MATH 221 Calculus II	4

OR

MATH 109 Statistics	3
MATH 111 Applied Precalculus	4

Collateral Physics Courses

Select one sequence:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

OR

PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Biology Major Elective

Select a minimum of 3 semester hours from the appropriate list to be obtained from the department

Environmental Science Concentration

Required Courses

Semester Hours

BIOL 256 Applied Environmental Microbiology	3
GEOS 112 Physical Geology	4
GEOS 450 Principles of Soil Science	3
GEOS 452 Geohydrology	
OR	
ENVR 452 Geohydrology	3

Pick one of the following two:

GEOS 454 Environmental Geochemistry	
OR	
CHEM 320 Environmental Chemical Analysis	3

Concentration Elective

Select a minimum of 3 semester hours from the following

BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 330 Introduction to Animal Behavior	3
BIOL 370 Principles of Ecology	3
BIOL 417 Evolution and Systematics	3
BIOL 420 Economic Botany	3
BIOL 422 Biodiversity	4
BIOL 425 Elementary Plant Physiology	4
BIOL 426 New Jersey Flora	4

BIOL 430 Ornithology	3
BIOL 431 Entomology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Aquatic Ecology	3
BIMS 220 Introduction to Marine Biology	4

Biology Minor

Required Courses

BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4

Select one option from the following:

Option A (Molecular):

BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 434 Molecular Biology	3

Option B (Environmental):

BIOL 213 Introduction to Ecology	4
--	---

And select 12 semester hours from the following:

BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 330 Introduction to Animal Behavior	3
BIOL 370 Principles of Ecology	4
BIOL 420 Economic Botany	3
BIOL 426 New Jersey Flora	4
BIOL 430 Ornithology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Aquatic Ecology	3
BIMS 220 Introduction to Marine Biology	4

Option C (Functional):

BIOL 230 Cell and Molecular Biology	4
---	---

Select two courses from the following:

BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 440 Gross Mammalian Anatomy	4
BIOL 442 Human Physiology	4
BIOL 443 Vertebrate Embryology	4
BIOL 445 Immunology	3
BIOL 446 Endocrinology	4
BIOL 447 Fundamentals of Pharmacology	3

Courses of Instruction

BICL 404

PLANT AND ANIMAL HISTOLOGICAL TECHNIQUES 3.0

Basic techniques and skills in preparation of permanent microscopic slides of plant and animal tissue. (1 hour lecture, 3 hours laboratory.)

Prerequisite: BIOL 112 and 113. *Special fee.*

BICL 405

CELL CULTURE 3.0

Theory of and practice in working with living cells: tissue culture techniques, cell communication, differentiation, regeneration and aging in several living cell systems.

Prerequisite: Departmental approval. *Special fee.*

BICL 406

SCANNING ELECTRON MICROSCOPY 4.0

Introduction to theory and practice of scanning electron microscopy. Includes specimen preparation, scanning electron microscope operation, electron specimen interactions/imaging, and microanalysis.

Prerequisite: Departmental approval. *Special fee.*

BIOL 100

BIOLOGICAL SCIENCES 4.0

The study of life from molecule to organism with focus on structure and function of cells, mechanisms of heredity and change, survey of animals and plants and their interrelationships in the living world. (3 hours lecture, 2 hours laboratory.) Meets the Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: Open to non-majors. *Special fee.*

BIOL 107

BIOLOGY FOR SURVIVAL 3.0

Basic concepts of biology that focus on social implications of pollution, population control, radiation, drugs, pesticides, the genetic revolution, etc. For non-science majors. Biology majors may only take this course as a free elective. (3 hours lecture.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science Only.

BIOL 109

THE LIVING WORLD 4.0

This course will provide students an opportunity to learn about the biological and environmental components of life and how these components interact to affect their own lives. This course is designed to be effective for and approachable by students who are not biology majors. (3 hours lecture, 2 hours laboratory.) No prerequisites in biology are needed. Meets Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.

BIOL 110

THE BIOLOGY OF HUMAN LIFE 4.0

The course is intended to serve the non-biology major and present a basic introduction to human anatomy and physiology. It will provide students with a laboratory experience so that they may learn the scientific method and its application in the field of human biology. This course will provide these students with a body of knowledge specific to human anatomy and physiology so that they may be well informed when dealing with important personal, family and societal issues relative to health and life-style decisions. Not for biology major credit. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: *Special fee.*

BIOL 111

EMERGING DISEASES 3.0

This is a course to discuss biological, social, and ethical aspects of emerging diseases. Topics such as cancer, heart disease, stroke, and emerging infectious disease will be covered. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science only.

BIOL 112

PRINCIPLES OF BIOLOGY I 4.0

Principles of Biology I involves the study of life from molecule to multicellular organism with focus on structure and function of cells, mechanisms of heredity and change, and the ways in which these processes shape higher levels of biological organization. This course is designed to fulfill the first core course requirement of the biology major.

Prerequisite: *Special fee.*

BIOL 113

PRINCIPLES OF BIOLOGY II 4.0

Principles of Biology II will provide an introductory level study of biodiversity and the origins of life, phylogenetic relationships among organisms, genetics, developmental biology, reproduction, the biology of populations and communities, and ecosystem processes.

Prerequisite: *Special fee.*

BIOL 120

PLANT FORM AND FUNCTION 4.0

This course acquaints the student with the methods and tools of science. Morphology and physiology of the cell and of the plant as a whole are considered. (3 hours lecture, 3 hours laboratory.)

Prerequisite: *Special fee.*

- BIOL 132**
ANIMAL FORM AND FUNCTION 4.0
 Survey of common animal phyla with particular emphasis on the basic construction and function of the animal organism. Where appropriate ancillary subjects of behavior, ecology, origins and development will be addressed. (3 hours lecture, 3 hours laboratory.)
Prerequisite: Special fee.
- BIOL 199**
FRESHMAN SEMINAR IN BIOLOGY 1.0
 An experience for biology freshmen that will help them to succeed as Biology majors by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002–New Student Seminar.
- BIOL 213**
INTRODUCTION TO ECOLOGY 4.0
 Semester-long field oriented course designed as an introduction to the natural world. Emphasis will be placed on identifying and characterizing the variety of habitats in New Jersey through field observations, group and individual projects and specimen collection. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 112 or 113. Special fee.
- BIOL 215**
HUMAN HEREDITY 3.0
 A non-major course introducing concepts of classical heredity and modern molecular genetics, which stresses the techniques and significance of genetic knowledge and research. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-laboratory Science Only.
- BIOL 230**
CELL AND MOLECULAR BIOLOGY 4.0
 An introduction to the chemistry, structure, and function of prokaryotic and eukaryotic cells. Topics covered include membrane structure and transport processes, bioenergetics and energy transformations in cells, DNA replication and expression, protein synthesis and cell movement. (3 hours lecture, 3 hours laboratory.)
Prerequisites: CHEM 120 with grade of "C–" or better. Special fee.
- BIOL 240**
MAMMALIAN ANATOMY AND PHYSIOLOGY I 3.0
 Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: Special fee.
- BIOL 241**
MAMMALIAN ANATOMY AND PHYSIOLOGY II 3.0
 Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: BIOL 240. Special fee.
- BIOL 243**
HUMAN ANATOMY AND PHYSIOLOGY 4.0
 A study of the dynamics of the human body in relation to its structure and function is based on its nutritional input. Each organ system is discussed in relation to its contribution to the whole functioning organism, as well as a basic survey of its pathologies. Primarily for ADA certification. (3 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.
- BIOL 244**
ANATOMY AND PHYSIOLOGY OF MAMMALS I 4.0
 The structure and function of the cell, tissue and organ systems-integumentary, skeletal, muscular, circulatory and respiratory. Non-majors only. (3 hours lecture, 2 hours laboratory.)
Prerequisites: Departmental approval; non-majors only. Special fee.
- BIOL 245**
ANATOMY AND PHYSIOLOGY OF MAMMALS II 4.0
 The structure and function of the organ systems - nervous, excretory, endocrine, digestive and reproductive. (3 hours lecture, 2 hours laboratory.)
Prerequisites: BIOL 244; departmental approval; non-majors only. Special fee.
- BIOL 254**
APPLIED MICROBIOLOGY 3.0
 Microbiological concepts and techniques applicable to food and dairy processing, health and disease, water, waste and other environmental problems. (2 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.
- BIOL 255**
SURVEY OF MICROBIOLOGY 4.0
 Microbiological concepts and techniques applicable to medical, health and environmental problems. (3 hours lecture, 2 hours laboratory.) Not for Biology majors.
Prerequisite: CHEM 110 and 112; non-biology majors only. Special fee.
- BIOL 256**
APPLIED ENVIRONMENTAL MICROBIOLOGY 3.0
 Microbiological concepts and techniques applicable to environmental microbiology: water, waste and other environmental problems, health and diseases. (2 hours lecture, 3 hours laboratory.)
Corequisite: CHEM 120. Special fee.
- BIOL 300**
ENVIRONMENTAL BIOLOGY AND RELATED CONTROVERSIAL ISSUES 3.0
 Analysis of ecological problems of today's population trends and control, food production, environmental deterioration, waste disposal, etc.
Prerequisite: BIOL 213.
- BIOL 330**
INTRODUCTION TO ANIMAL BEHAVIOR 3.0
 Concepts and theories of the sensory world of animals and behavioral patterns resulting in environmental adaptations.
Prerequisites: BIOL 113.
- BIOL 350**
MICROBIOLOGY 4.0
 A study of bacteria, yeast, molds and other microorganisms in relation to modern biological concepts and the welfare of man. Standard techniques employed in the laboratory. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 230 and CHEM 120. Special fee.
- BIOL 370**
PRINCIPLES OF ECOLOGY 3.0
 To acquaint biology majors with the general principles of ecology, population dynamics and adaptations of plants and animals to the various habitats. (2 hours lecture, 2 hours laboratory.)
Prerequisites: BIOL 213.
- BIOL 380**
GENETICS 4.0
 Lecture and lab. Heredity, gene and chromosomal structure and function, gene regulation, mutation and repair, genes in populations, genetic manipulation, and applied genetics are covered. Lab exercises demonstrate genetic concepts. A semester-long project with research paper is required. Required of all Biology majors and minors. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 230 with a grade of "C–" or better and CHEM 120. Special fee.
- BIOL 409**
EXTERNSHIP IN BIOLOGICAL RESEARCH (COOPERATIVE EDUCATION) 1.0-4.0
 Full- or part-time work in an established laboratory with a scientific investigator for the duration of the term.
Prerequisite: Departmental approval.
- BIOL 411**
INTRODUCTION TO TRANSMISSION ELECTRON MICROSCOPY 4.0
 Basic theory and practice of electron microscopy. Specimen preparation ultramicrotomy, microscopy, photographic preparation of final print, interpretation of results. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 230. Special fee.

- BIOL 417**
EVOLUTION AND SYSTEMATICS 3.0
 Causes and mechanisms of biological variation and species formation as the basis of modern systematics and evolutionary theory.
Prerequisites: BIOL 132 and 120.
- BIOL 418**
BIOLOGY INDEPENDENT RESEARCH 1.0-4.0
 Under the guidance of a sponsor, students will investigate individual problems of appropriate scope. A written and/or oral report as required. Offered on demand.
Prerequisite: Minimum G.P.A. 3.0 and departmental approval. Special fee.
- BIOL 425**
ELEMENTARY PLANT PHYSIOLOGY 4.0
 Major physiological processes of the flowering plant: growth, metabolism, photosynthesis, respiration, water relations and mineral nutrition. Not offered every year.
Prerequisites: BIOL 113 and CHEM 230. Special fee.
- BIOL 426**
NEW JERSEY FLORA 4.0
 Field identification of mosses, liverworts, ferns, and seed plants in a variety of habitats. Not offered every year.
Prerequisite: BIOL 213. Special fee.
- BIOL 430**
ORNITHOLOGY 4.0
 The biology, identification, and natural history of birds in a variety of habitats. Laboratory includes trips on a varying schedule. (1 hour lecture, 3 hours laboratory.)
Prerequisite: BIOL 113. Special fee.
- BIOL 431**
ENTOMOLOGY 3.0
 Identification, physiology and ecology of common insect families. Not offered every year.
Prerequisite: BIOL 113. Special fee.
- BIOL 432**
MEDICAL ENTOMOLOGY 3.0
 The study of arthropods that are vectors of diseases afflicting man and domestic animals. Not offered every year.
Prerequisite: BIOL 113. Special fee.
- BIOL 433**
DEVELOPMENTAL BIOLOGY 4.0
 This course discusses the concepts and principles that are rapidly emerging from studies of developmental processes in animals. We shall consider egg organization, origins of cell differences, molecular mechanisms of cell differentiation, cell movements, inductive interactions in animals, long-range signaling mechanisms, and the cellular and molecular processes underlying pattern formation.
Prerequisites: BIOL 230, BIOL 380, and CHEM 231.
- BIOL 434**
INTRODUCTORY MOLECULAR BIOLOGY 3.0
 This course is designed to examine the molecular biology of plant and animal cells.
Prerequisites: BIOL 350 and 380 and CHEM 470.
- BIOL 435**
EXPERIMENTAL MOLECULAR BIOLOGY 3.0
 A laboratory course that will introduce biology and molecular biology majors to the basic techniques of modern molecular biology. Techniques to be covered include nucleic acid isolation, restriction enzyme mapping, plasmid manipulation and subcloning, genomic library construction, PCR amplification, and DNA sequence analysis. (6 hours laboratory).
Prerequisite: BIOL 434. Special fee.
- BIOL 439**
BIOLOGY OF ANIMAL PARASITES 3.0
 The basic principles of parasitism. Ecological, morphological, and physiological adaptations for parasitism. Evolution of parasites and integration with the host.
Prerequisite: BIOL 113 with a grade of "C-" or better. Special fee.
- BIOL 440**
GROSS MAMMALIAN ANATOMY 4.0
 Functional mammalian anatomy at the microscopic and gross level. Laboratory dissection of the cat and study of selected organs and anatomical models. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 113 with a grade of "C-" or better. Special fee.
- BIOL 442**
HUMAN PHYSIOLOGY 4.0
 Functions of animal organs and systems with emphasis on maintenance of homeostasis.
Prerequisite: BIOL 230 with a grade of "C-" or better and BIOL 113 and CHEM 230. Special fee.
- BIOL 443**
VERTEBRATE EMBRYOLOGY 4.0
 Developmental anatomy of the vertebrates, especially amphibian, chick and human. General concepts of development and cell differentiation. Not offered every year.
Prerequisites: BIOL 113 and BIOL 230. Special fee.
- BIOL 444**
CELL PHYSIOLOGY 3.0
 Advanced course in cell function.
Prerequisites: BIOL 230 with a grade of "C-" or better and CHEM 230.
- BIOL 445**
IMMUNOLOGY 3.0
 Cellular and humoral immunal responses, immunoglobulins, antigen-antibody reactions, immunopathology, transplantation, and blood transfusion.
Prerequisites: BIOL 230 with a grade of "C-" or better and CHEM 230.
- BIOL 446**
ENDOCRINOLOGY 3.0
 Basic anatomy and physiology of the mammalian endocrine glands with special attention directed to the human endocrine glands. The interrelationships between the various endocrines including neural control and the role of these glands in maintaining the homeostasis of the body will be stressed.
Prerequisite: BIOL 230 with a grade of "C-" or better and CHEM 230.
- BIOL 447**
FUNDAMENTALS OF PHARMACOLOGY 3.0
 Introduction to the study of chemicals that have biological effects, with special emphasis on those with medical importance.
Prerequisites: BIOL 230 and CHEM 230.
- BIOL 448**
MAMMALIAN MICROANATOMY 4.0
 Detailed examination of mammalian tissues using both light and electron micrographic analyses. Epithelia, connective, muscle, nervous and gametic tissues will be thoroughly examined as they occur structurally and functionally within mammalian organ systems.
Prerequisite: BIOL 113 and 230. Special fee.
- BIOL 450**
MEDICAL MICROBIOLOGY 3.0
 The course is designed to acquaint the Biology major with those microorganisms which cause disease, the prevention of disease, therapeutic agents to control microbial diseases and the body's natural defense mechanisms.
Prerequisite: BIOL 350.
- BIOL 460**
BIOLOGICAL OCEANOGRAPHY 3.0
 Biological processes within oceans and estuaries are considered in relation to the physical environment. Field and laboratory work. Not offered every year.
Prerequisites: BIOL 213. Special fee.

- BIOL 461**
AQUATIC ECOLOGY 3.0
 Biological and physical processes of rivers and lakes. Field work and laboratory. Not offered every year.
Prerequisite: BIOL 112 and 113. Special fee.
- BIOL 467**
BIOLOGY OF THE FISHES 4.0
 Systematics, adaptations, reproduction, evolution, ecology and zoo-geography of major groups of marine fishes. At New Jersey Marine Sciences Consortium. Not offered every year.
Prerequisites: BIOL 113.
- BIOL 471**
BIOMEDICAL ETHICS 2.0
 Seminar course dealing with ethical dilemmas posed by advances in biomedical technology. Background readings in ethics will be followed by discussions of readings on the applications and consequences of modern biomedical research.
Prerequisites: BIOL 380.
- BIOL 475**
MEDICAL GENETICS 3.0
 A detailed study and analysis of human genetics, inborn genetic diseases, genomics, gene therapy, and the human Genome Project.
Prerequisites: BIOL 380 with a grade of "C-" or better; CHEM 230.
- BIOL 476**
BIOLOGY OF CANCER 3.0
 An indepth examination of the biology of cancer, including risk factors, genetics, causes of cancer, metastasis, therapies (conventional and recombinant DNA), and prevention will be presented. This course will also help students develop proficiency in critically evaluating primary scientific articles dealing with cancer.
Prerequisites: BIOL 230 and BIOL 380 and CHEM 231.
- BIOL 480**
RESEARCH COMMUNITY I: ORGANISM BIOLOGY 4.0
 Survey of topics and techniques in contemporary organism biology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the organism level. Students will prepare and present a scientific research proposal for peer and faculty review.
Prerequisites: BIOL 112, 113, 213, 230, and CHEM 231 and 232.
- BIOL 481**
RESEARCH COMMUNITY II: ORGANISM BIOLOGY 4.0
 Team-based independent research on topics in contemporary organismal biology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 480. Students will ultimately prepare and present a scientific research paper for peer and faculty review.
Prerequisite: BIOL 480.
- BIOL 482**
RESEARCH COMMUNITY I: MOLECULAR BIOLOGY 4.0
 Survey of topics and techniques in contemporary molecular biology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the molecular level. Students will prepare and present a scientific research proposal for peer and faculty review.
Prerequisites: BIOL 112, 113, 213, 230, and CHEM 231 and 232.
- BIOL 483**
RESEARCH COMMUNITY II: MOLECULAR BIOLOGY 4.0
 Team-based independent research on topics in contemporary molecular biology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 482. Students will ultimately prepare and present a scientific research paper for peer and faculty review.
Prerequisite: BIOL 482.
- BIOL 484**
RESEARCH COMMUNITY I: ECOLOGY 4.0
 Survey of topics and techniques in contemporary ecology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the ecological level. Students will prepare and present a scientific research proposal for peer and faculty review.
Prerequisites: BIOL 112, 113, 213, 230, and CHEM 231, 232.
- BIOL 485**
RESEARCH COMMUNITY II: ECOLOGY 4.0
 Team-based student independent research on topics in contemporary ecology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 484. Students will ultimately prepare and present a scientific research paper for peer and faculty review.
- BIOL 490**
SENIOR SEMINAR IN BIOLOGY 2.0
 Course which will allow the advanced undergraduate student to study a single topic in depth. This course would allow the students an opportunity to integrate the principles of several areas (ecology, physiology, genetics, etc.) of biology in the study of a single topic. This required course for Biology seniors will have a seminar format.
Prerequisite: Senior status; biology or molecular biology majors only.
- BIOL 491**
RESEARCH IN BIOLOGY LITERATURE 1.0
 Each student will survey current biological literature pertinent to a specific problem. A comprehensive report is required.
Prerequisites: BIOL 230 with a grade of "C-" or better.
- BIOL 492**
SENIOR COLLOQUIUM 1.0
 Students in this course will read primary resource material and interpret the data. This course will also teach students how to read, critique, and present scientific data to a peer group. Students will analyze, discuss, and present primary research articles with respect to scientific content, accuracy of the data and significance of the experiments.
Prerequisite: Senior status.
- BIMS 220**
INTRODUCTION TO MARINE BIOLOGY 4.0
 A field and laboratory oriented course covering the characteristics of marine plants and animals. The course is designed to provide the student with experience in collecting and identifying local marine flora and fauna.
- BIMS 422**
BIOLOGY OF MARINE PLANKTON 2.0
 A study of the marine phytoplankton and zooplankton, their collection, analysis and interpretation. Their role in the ecosystem will be stressed as will be their distribution, particularly those of the near shore and estuarine environment. Field trips will be made to coastal New Jersey. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 422.
- BIMS 426**
MARINE ENERGY SYSTEMS 2.0
 Principles of production and energy transfer in the marine environment. Spatial and temporal distribution of productivity. Productivity measurement and assessment of the roles of plants, herbivores and carnivores in marine energetics. Offered at New Jersey Marine Sciences Consortium.
- BIMS 431**
MARINE INVERTEBRATE ZOOLOGY 4.0
 A study of the invertebrates living in the marine realm with emphasis on the interrelations of these animals to their particular environment. Field work will include studies of the pelagic and benthonic forms associated with estuaries and the continental shelf. Also offered at the site of the New Jersey Marine Sciences Consortium.

BIMS 433
SEASHORE ORNITHOLOGY 2.0
Field identification of birds of the ocean, salt marsh, sand dunes, and adjacent land areas. Includes discussion of habits and ecology. Offered at NJ Marine Sciences Consortium.

BIMS 438
SEASHORE ENTOMOLOGY 2.0
Ecological studies of the insect fauna found in the unique habitats of the (1) intertidal zone, (2) coastal sand dunes and (3) salt marsh found along the New Jersey shoreline.

BIMS 450
MARINE BOTANY 4.0
An introduction to the structure, systematics, physiology and ecology of algae and metaphyta of the marine environment. Emphasis will be placed on the flora of the estuary and tidal marsh. Biology of the associated phytoplankton will be studied. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 450.

BIMS 455
MARSH AND DUNE VEGETATION 2.0
A field and laboratory study of the plant communities that inhabit the sand dunes and marshes of the coastal zone of New Jersey. The diversity of the forms of plant life and their adaptations and ecological roles. The collection and identification of individual plant species. Also offered at the site of the New Jersey Marine Sciences Consortium.

BIMS 460
ADVANCED MARINE BIOLOGY 4.0
Interrelationships of marine animals and plants. Ecological response to physical and chemical parameters. Principles such as zonation, succession, ecosystem structure, and physiological response will be examined through lectures, field projects and laboratory study.
Prerequisites: BIOL 120 and 132.

BIMS 490
FIELD METHODS IN THE MARINE SCIENCES 4.0
The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture; 4 hours lab.)

BIMS 491
PLANKTON SAMPLING AND ANALYSIS 1.0
Sampling, identification and counting of phyto- and zooplankton. New Jersey Marine Sciences Consortium.

BIMS 494
PRIMARY PRODUCTION IN THE MARINE ENVIRONMENT 1.0
Theory and techniques of primary production measurement. New Jersey Marine Sciences Consortium.



BROADCASTING

SCHOOL OF THE ARTS

Chairperson: Lawrence Londino

The Department of Broadcasting provides students the opportunity to earn a liberal arts baccalaureate degree while simultaneously being exposed to fundamental training in the field of electronic media production. The emphasis of the curriculum is on the writing, producing, and directing of fresh, innovative ideas for electronic media presentation, coupled with a strong theoretical background in the history and contemporary issues surrounding the development of the electronic communication industries in the United States. While the curriculum is not designed to train professional craftspeople, students with an interest in and an aptitude for specific craft disciplines (e.g., videography, editing, technical directing) are provided opportunities to gain access to state-of-the-art production equipment for self-directed practical training.

Special features of the academic program include: internships at major broadcasting facilities; an adjunct faculty of high-level broadcasting executives and producers; student participation in the production of in-house videos for the University as well as our own weekly award-winning cable television program, *Carpe Diem*; production competitions; and association with professional organizations such as the National Academy of Television Arts and Sciences (NATAS), American Women in Radio and Television (AWRT), and the University Film and Video Association (UFVA).

The Department of Broadcasting requires an interview for admission to the program. The dates and requirements for department admissions and interviews may be obtained from the Admissions Office or by calling the Department of Broadcasting at (973) 655-7870.

Broadcasting Major—B.A.

Required Courses

	Semester Hours
SPCM 101 Fundamentals of Speech: Communication Requirement	3
BDCS 101 Introduction to the Broadcasting Medium	3
BDCS 140 Writing for the Broadcasting Media	3
BDCS 150 Audio Production	3
BDCS 251 Television Production I	4
BDCS 252 Television Production II	4
BDCS 253 Television Practicum	1
BDCS 350 Television Production III	4

Major Electives

Select five courses to total at least 15 semester hours from the following list:

BDCS 250 Sound Design	3
BDCS 260 History of Television	3
BDCS 270 Special Topics in Broadcasting*	3
BDCS 282 Media and Culture	3
BDCS 293 Programming	3
BDCS 315 Political Broadcasting	3
BDCS 340 Introduction to Multitrack Recording	3
BDCS 351 Craft Workshop	1-3
BDCS 353 Children's Television	3
BDCS 360 Station Management	3
BDCS 391 International Broadcasting	3
BDCS 395 Ethics of Mass Communication	3
BDCS 403 Independent Study**	3
BDCS 440 Electronic Journalism	3
BDCS 470 Special Studies in Broadcasting*	3
BDCS 480 Television Production Company	1-3
BDCS 490 Internship: Broadcasting***	4-6

*This number is used for various course offerings which are not regularly scheduled, and may be repeated when a different course title is offered.

**Not more than 3 semester hours may be counted toward the Broadcasting major.

***Not more than 6 semester hours may be counted toward the Broadcasting major.

Free Electives 33

Courses of Instruction

BDCS 101 INTRODUCTION TO THE BROADCASTING MEDIUM 3.0

A survey of the history, organization and current structure of radio, television and hybrid technologies; societal and cultural influences of electronic broadcast media; introduction to practical and theoretical concepts of studio production.

Prerequisite: Broadcasting majors only.

BDCS 140 WRITING FOR THE BROADCASTING MEDIA 3.0

Writing of continuity and dramatic materials for the broadcast media, including news, commercials, and drama.

Prerequisite: BDCS 101; Broadcasting majors only.

BDCS 150 AUDIO PRODUCTION 3.0

A fundamental workshop exploring the properties of sound as both a separate creative medium and as a supplemental tool for the visual image; studio and location recording, editing, and mixing.

Prerequisite: BDCS 101; Broadcasting majors only.

BDCS 250 SOUND DESIGN 3.0

This production-oriented class will explore the aesthetics and techniques of sound design for radio, television, and film. Students will analyze professional sound designs in these media and create their own using both analog and digital technology.

Prerequisites: BDCS 150; Broadcasting majors only.

BDCS 251 TELEVISION PRODUCTION I 4.0

A workshop presenting the fundamentals of studio television production; opportunity to demonstrate creative potential through short studio productions; emphasis upon the idea, and principles of camera blocking.

Prerequisites: BDCS 140; BDCS 150; Broadcasting majors only; departmental approval.

BDCS 252 TELEVISION PRODUCTION II 4.0

An intermediate workshop presenting opportunities for the production of programs of various types to be aired on cable outlets; introduction to EFP (electronic field production) and off-line post-production techniques; continued emphasis upon program concept.

Prerequisite: BDCS 251; Broadcasting majors only; departmental approval.

BDCS 253 TELEVISION PRACTICUM 1.0

Students participate in a designated number of hours of television production for the closed circuit television facility as well as other production opportunities. May be repeated for a maximum of four credits.

Prerequisite: BDCS 251; Broadcasting majors only; departmental approval.

BDCS 260 HISTORY OF TELEVISION 3.0

An examination of the history of television programming in the United States. Students view original programs that constitute some of the key moments in television history and assess their significance based on aesthetic, content-oriented, technological, sociological, and political-economic points of view.

Prerequisites: BDCS 101; Broadcasting majors only.

BDCS 270 SPECIAL TOPICS IN BROADCASTING 3.0

This course is specifically intended for lower division (freshman and sophomore) students. It provides an umbrella to offer a variety of specialized, introductory level topics which do not justify establishing a permanent course. Examples of subjects to be addressed are: specialized trends in television programming; the history of television networks; television news; television in the courtroom; First Amendment issues as they relate to broadcasting; sports on television; the social impact of modern radio talk formats; and broadcast regulation. May be repeated for a maximum of nine credits.

Prerequisite: BDCS 101; Broadcasting majors only.

- BDCS 282**
MEDIA AND CULTURE 3.0
 The ways in which the broadcast media affect mass culture and consequently the values and mores of society; includes the history of mass culture and the mechanisms by which diverse forces of society (i.e., minority cultures, political trends or technological innovations) affect mass culture.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 293**
PROGRAMMING 3.0
 A structural and critical examination of broadcast and cable television programming, including program production/acquisition, scheduling, and evaluation. An overview of programming strategies and techniques, sources, genres, regulation, issues and trends.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 315**
POLITICAL BROADCASTING 3.0
 A survey of the history of political broadcasting beginning with radio and concentrating on television; analysis of the relationship between broadcasting and the political process, to include campaigning for office, the election and how broadcasting helps or hinders the art of governing.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 340**
INTRODUCTION TO MULTITRACK RECORDING 3.0
 This production course will introduce students to the concepts and production techniques used in multitrack recording. The class will explore the impact these techniques have had on music and sound design for television and film, as well as their creative use in a studio environment. Students will complete several recording projects as part of the course requirements.
Prerequisite: BDCS 150.
- BDCS 350**
TELEVISION PRODUCTION III 4.0
 Advanced workshop providing opportunity for pre-professional level production for distribution off-campus; emphasis on selection of quality properties for production; introduction to on-line post-production techniques..
Prerequisites: BDCS 252; Broadcasting majors only; departmental approval.
- BDCS 351**
CRAFT WORKSHOP 1.0-3.0
 Designated students work closely under the supervision of studio operations personnel/technicians to concentrate on the maintenance and operation of the DuMont Television Center facility. Opportunity for students to work intensively with advanced production hardware. May be repeated for a maximum of three credits.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 353**
CHILDREN'S TELEVISION 3.0
 A survey of current children's productions and examination of research on their affect/effectiveness; work on class productions designed for children.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 360**
STATION MANAGEMENT 3.0
 Economic support patterns, evolution of broadcast programming; ascertainment of community needs; station promotion and advertising; legal and ethical issues relating to broadcasting.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 391**
INTERNATIONAL BROADCASTING 3.0
 This course will explore the history and development of broadcasting systems other than our own. Major broadcasting systems include England, Australia, Canada, Japan, Russia (and former Soviet Union satellites), France and Italy. The course will trace the effects of various political systems on the system of broadcasting, dealing with such issues as accessibility, privacy and freedom of speech. Students will examine the reasons for the demise of Radio Free Europe and other international broadcast services. The course will also address the effect of changing technologies on international communications (i.e., satellites, fiber optics, HDTV).
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 395**
ETHICS OF MASS COMMUNICATION 3.0
 A survey and analysis of major legal and ethical issues in broadcasting and mass communication.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 403**
INDEPENDENT STUDY 1.0-3.0
 Opportunity to obtain credit for independent research projects; students must obtain approval from the division coordinator before registration period for the semester of the independent study; generally not for production projects.
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
- BDCS 440**
ELECTRONIC JOURNALISM 3.0
 Practical training in gathering, writing and producing of news story packages for incorporation into a studio news show. Demonstration and application of ENG (electronic news gathering) techniques related to production.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 470**
SPECIAL STUDIES IN BROADCASTING 3.0
 Various topics offered depending upon program needs and available professional part-time faculty. Usually deals with some professional aspects of the broadcast field or special study of the broadcast media. May be repeated for a maximum of 24 credits.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 480**
TELEVISION PRODUCTION COMPANY 1.0-3.0
 Senior level broadcast laboratory in which students function in some key role in a production unit which produces professional television production for distribution on- and off-campus. May be repeated for a maximum of nine credits.
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
- BDCS 490**
INTERNSHIP: BROADCASTING 4.0-16.0
 Advanced students fulfill a portion of major requirements working for a professional or contract broadcasting-related company.
Prerequisite: BDCS 101; Broadcasting majors only; departmental approval.

CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: John L. Isidor

The Chemistry and Biochemistry Department offers two majors leading to the degree of Bachelor of Science, Chemistry and Biochemistry. A student who chooses the chemistry major can prepare for graduate study in chemistry or biochemistry, professional employment, professional education in fields related to science, or teacher certification. The courses meet the undergraduate criteria established by the American Chemical Society (ACS). The chemistry major is included in the ACS list of approved programs. The student can complete ACS requirements and be certified to the Society upon graduation.

The student who chooses the biochemistry major will emerge with a strong background in the basic sciences and mathematics as well as biochemistry and will qualify for graduate study in biochemistry or professional employment. With appropriate elective course selections, students in either major can satisfy the requirements for pre-health professional programs (pre-medical, pre-dental or pre-chiropractic).

The curriculum is designed for students who have had high school chemistry, biology and physics, as well as four years of high school mathematics.

The department sponsors a challenging honors program for chemistry majors with outstanding academic records (at least 3.70 grade point average), an undergraduate research program, and offers cooperative education work experiences. Those interested should see the department chairperson for information.

Chemistry Major

Required Courses

	Semester Hours
CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry, I	3
CHEM 231 Organic Chemistry, II	3
CHEM 232 Experimental Organic Chemistry I	2
CHEM 233 Experimental Organic Chemistry II	2
CHEM 310 Analytical Chemistry	5
CHEM 311 Instrumental Analysis	4
CHEM 340 Physical Chemistry I	3
CHEM 341 Physical Chemistry II	3
CHEM 343 Experimental Physical Chemistry	2
CHEM 470 Biochemistry I	3
CHEM 495 The Chemical Literature	1

Collateral Courses

Two Mathematics courses:

MATH 122 Calculus I	4
MATH 221 Calculus II	4

Two Physics courses:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Electives (Major)

Select 6 semester hours from among the following:

CHEM 320 Environmental Chemical Analysis	3
CHEM 410 Advanced Quantitative Analysis	4
CHEM 422 Experimental Inorganic Chemistry*	3
CHEM 423 Advanced Inorganic Chemistry	3
CHEM 430 Advanced Organic Chemistry	3
CHEM 440 Advanced Physical Chemistry	3
CHEM 471 Biochemistry II	3
CHEM 472 Experimental Biochemistry	2
CHEM 490 Selected Topics in Chemistry	3
CHEM 498 Senior Laboratory*	3
CHEM 499 Undergraduate Research*	1-3

*No more than 3 semester hours of laboratory coursework marked by * may be counted in the six hours of chemistry electives.

Chemistry Minor

Required Courses

	Semester Hours
CHEM 120, 121 General Chemistry I, II	8
CHEM 230, 231 Organic Chemistry I, II	6
CHEM 232, 233 Experimental Organic Chemistry I, II	4
Select one (a, b, c, or d):	
a.CHEM 310 Analytical Chemistry	5
b.CHEM 340 Physical Chemistry I	3
CHEM 343 Experimental Physical Chemistry	2
c.CHEM 423 Advanced Inorganic Chemistry	3
CHEM 422 Experimental Inorganic Chemistry	3
d.CHEM 470 Biochemistry I	3
CHEM 472 Experimental Biochemistry	2

Biochemistry Major

Required Courses

	Semester Hours
CHEM 120, 121 General Chemistry I, II	8
CHEM 230, 231 Organic Chemistry I, II	6
CHEM 232, 233 Experimental Organic Chemistry I, II	4
CHEM 310 Analytical Chemistry	5
OR	
CHEM 311 Instrumental Analysis	4
CHEM 340 Physical Chemistry I	3
CHEM 341 Physical Chemistry II	3
CHEM 470 Biochemistry I	3
CHEM 471 Biochemistry II	3
CHEM 472 Experimental Biochemistry	2
CHEM 473 Instrumental Biochemistry Laboratory	3
CHEM 496 Biochemical Literature	1

Collateral Courses

Four Biology Courses:

BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 434 Introductory Molecular Biology	3

Two Mathematics Courses:

MATH 122 Calculus I	4
MATH 221 Calculus II	4

Two Physics Courses:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Special Program Requirements

	Semester Hours
B.S. in Chemistry with American Chemical Society Certification	10

In addition to completing the requirements for the Chemistry major, students who complete the requirements below will be certified by the American Chemical Society on Professional Training:

1. One of the following courses:*

CHEM 410 Advanced Quantitative Analysis	3
CHEM 430 Advanced Organic Chemistry	3
CHEM 440 Advanced Physical Chemistry	3

2. CHEM 423 Advanced Inorganic Chemistry

3. One of the following:

CHEM 422 Experimental Inorganic Chemistry	3
CHEM 498 Senior Laboratory	3
CHEM 499 Undergraduate Research	(minimum) 3

*Courses used to fulfill the elective requirement for the chemistry major cannot also be used to fulfill requirement #1 for ACS Certification. This restriction does not apply to ACS Certification requirements #2 and #3. Completion of ACS Certification requirements will, therefore, add from 3 to 9 s.h.'s to the 61 s.h.'s required for completion of the B.S. in Chemistry.

The learning of certain other skills may be essential in an undergraduate chemistry program. This decision must be made by the student and his advisor. Included in this group are:

Foreign Language: a reading knowledge of German, Russian or French.

Mathematics: Linear algebra.

Computer Science: programming ability in BASIC and FORTRAN.

Honors Program in Chemistry

Chemistry majors can apply for admission to the honors program in chemistry during their sophomore or junior years. Students accepted into the program will be required to take (in addition to the regular chemistry major) the following courses:

	Semester Hours
CHEM 491 Honors Seminar in Chemistry	2
CHEM 492 Honors Thesis in Chemistry	2

Interested students should contact the department chairperson.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the Chemistry and Biochemistry Department.

Courses of Instruction

CHEM 100	
INTRODUCTORY CHEMISTRY	4.0
An introductory lecture and laboratory course in modern chemistry for non-science majors. Topics include plastics, pesticides, food additives, fuels, drugs, water and air pollutants, nuclear energy and modern materials. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.	
<i>Prerequisite: Special fee.</i>	
CHEM 107	
COLLEGE CHEMISTRY I	2.0
Introductory chemistry course for non-science majors. Fundamentals of inorganic chemistry.	
CHEM 108	
COLLEGE CHEMISTRY II	2.0
Introductory chemistry course for non-science majors. Fundamentals of organic and biochemistry.	
<i>Prerequisite: CHEM 107.</i>	
CHEM 109	
COLLEGE CHEMISTRY LABORATORY I	1.0
Laboratory work to reinforce basic concepts of inorganic chemistry. Taken concurrent with CHEM 107 or CHEM 111.	
<i>Corequisite: CHEM 107 or CHEM 111. Special fee.</i>	
CHEM 110	
COLLEGE CHEMISTRY LABORATORY II	1.0
Laboratory work to reinforce basic concepts of organic chemistry and biochemistry. Taken concurrent with CHEM 108 or CHEM 112.	
<i>Prerequisite: CHEM 109. Special fee.</i>	
<i>Corequisite: CHEM 108 or CHEM 112.</i>	
CHEM 111	
ELEMENTS OF CHEMISTRY I	3.0
Basic concepts of general chemistry for non-science majors. This course goes into greater depth than CHEM 107 and is required for Food and Nutrition majors.	
CHEM 112	
ELEMENTS OF CHEMISTRY II	3.0
A study of human biochemistry with emphasis on biomolecules, metabolism, and bioenergetics.	
<i>Prerequisite: CHEM 111.</i>	

CHEM 120

GENERAL CHEMISTRY I

4.0

Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to atomic and molecular structure, bonding, stoichiometry, states of matter, solutions, and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite: One year high school chemistry. Special fee.

CHEM 121

GENERAL CHEMISTRY II

4.0

Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to thermochemistry, kinetics; general acid base, precipitation, redox equilibria, electrochemistry and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems.

Prerequisite: CHEM 120. Special fee.

CHEM 130

FUNDAMENTALS OF ORGANIC CHEMISTRY

4.0

Survey of organic chemistry covering all major classes, nomenclature, and characteristic class reactions. (3 hours lecture, 2 hours laboratory.)

Prerequisite: CHEM 107 or CHEM 111. Special fee.

CHEM 195

PROBLEM SOLVING-GENERAL CHEMISTRY

1.0

Course designed to help students in application of mathematics in chemistry with emphasis on individual needs.

CHEM 199

LABORATORY PROJECT

1.0-3.0

Independent laboratory work in chemistry under the guidance of a faculty mentor. May be repeated up to six times for a maximum of six credits.

Prerequisite: CHEM 120 or equivalent and departmental approval.

CHEM 230

ORGANIC CHEMISTRY I

3.0

Structure and bonding in organic compounds: nomenclature, reactions, properties, and aromatic compounds: stereochemistry; structure analysis by IR, NMR, UV, and MS; introduction to molecular orbital theory.

Prerequisite: CHEM 121.

CHEM 231

ORGANIC CHEMISTRY II

3.0

Nomenclature, reactions, properties, and synthesis of ethers, epoxides, alcohols, amines, and carbonyl compounds; carbohydrates; amino acids, peptides and proteins; pericyclic reactions; synthetic polymers.

Prerequisite: CHEM 230.

CHEM 232

EXPERIMENTAL ORGANIC CHEMISTRY I

2.0

A laboratory course to be taken concurrently with CHEM 230. Basic techniques for the separation, analysis and synthesis of organic compounds: recrystallization, distillation, extraction, GC, HPLC, TLC, GC/MS, IR, ¹H/¹³C-NMR, chemical safety methods and regulations.

Prerequisite or corequisite: CHEM 230. Special fee.

CHEM 233

EXPERIMENTAL ORGANIC CHEMISTRY II

2.0

A laboratory course to be taken concurrently with CHEM 231 and after completion of CHEM 232. Basic techniques for organic synthesis, mechanistic studies, separation and analysis, and chemical safety: multistep syntheses, spectral data-base searching, phase-transfer catalysis, anhydrous procedures, analysis of unknowns by wet-chemical and spectral methods.

Prerequisite or corequisite: CHEM 232. Special fee.

CHEM 270

FUNDAMENTALS OF BIOCHEMISTRY

5.0

Structure and function of the biomolecules and the metabolic interrelationships in the cell. Primarily for Food and Nutrition majors.

Prerequisite: CHEM 130. Special fee.

CHEM 310

ANALYTICAL CHEMISTRY

5.0

Introduction to concepts of classical analytical chemistry including evaluation of data and apparatus, theory and application of volumetric and gravimetric methods and redox equilibrium, and introduction to electrical methods.

Prerequisites: CHEM 231 and 233. Special fee.

CHEM 311		
INSTRUMENTAL ANALYSIS	4.0	
Introduction to application of instrumental methods of analytical chemistry. Instrument techniques studied will include spectrophotometry, electroanalytical chemistry, chromatography, nuclear magnetic resonance and mass spectrometry. Theory and application will be examined in lecture and laboratory. <i>Prerequisites: CHEM 310 and 340. Special fee.</i>		
CHEM 320		
ENVIRONMENTAL CHEMICAL ANALYSIS	3.0	
A study of the sources, reactions, transport, effects, and fates of chemical species in the environment. Lecture and lab will stress the theory, methodology, techniques, and instrumentation for air, water and soil analysis for contaminants. (Two hours lecture, two hours laboratory.) <i>Prerequisite: CHEM 230 and 232. Special fee.</i>		
CHEM 325		
ATMOSPHERIC CHEMISTRY	3.0	
Atmospheric chemistry of the major pollutants of concern in today's environment, the emission sources, air/water and air/soil partitioning and exchange, atmospheric transport pathway, transformation processes (biological degradation, hydrolysis, photochemical transformations), deposition processes, pollutant chronic and acute health impacts, prevention and regulation. Course requirements: 2 field trips. <i>Prerequisites: CHEM 230 and CHEM 232.</i>		
CHEM 340		
PHYSICAL CHEMISTRY I	3.0	
Thermodynamics, homogeneous and heterogeneous equilibria, gases, electrochemistry, solutions, colligative properties. <i>Prerequisites: CHEM 231 and PHYS 192 and MATH 221.</i>		
CHEM 341		
PHYSICAL CHEMISTRY II	3.0	
Kinetics, photochemistry, molecular physical chemistry. <i>Prerequisites: CHEM 340 and PHYS 192 and MATH 221.</i>		
CHEM 343		
EXPERIMENTAL PHYSICAL CHEMISTRY	2.0	
A laboratory course to be taken concurrently with CHEM 341. Application and experience with experimental techniques of physical chemistry. Students will perform experiments in calorimetry, measurement of thermodynamic variables, electro-chemical phenomena and kinetics. Analysis of experimental data, statistics and applications of microcomputers will be included. <i>Prerequisites: CHEM 231 and 340 and MATH 221 and PHYS 192. Special fee. Corequisite: CHEM 341.</i>		
CHEM 422		
EXPERIMENTAL INORGANIC CHEMISTRY	3.0	
Experience utilizing a broad selection of modern techniques for the synthesis, characterization, and chemistry of inorganic compounds. Subjects covered will include catalysis, reaction mechanisms, and use in organic synthesis. <i>Prerequisite: CHEM 310. Special fee.</i>		
CHEM 423		
ADVANCED INORGANIC CHEMISTRY	3.0	
Physical basis of bonding and reactivity of inorganic compounds. Electronic structure of atoms, ionic and covalent bonding, symmetry properties, chemistry and structure of transition metal compounds, organometallic chemistry, introduction to solid-state structures. <i>Prerequisite or corequisite: CHEM 340.</i>		
CHEM 430		
ADVANCED ORGANIC CHEMISTRY	3.0	
Consideration of structural and electronic theories which form the basis of organic chemistry. <i>Prerequisite: CHEM 231.</i>		
CHEM 440		
ADVANCED PHYSICAL CHEMISTRY	3.0	
Quantum mechanics, bonding theory, atomic structure, statistical thermodynamical calculations. <i>Prerequisites: MATH 420 and CHEM 341.</i>		
CHEM 447		
BIOPHYSICAL CHEMISTRY	3.0	
Thermodynamics, equilibria, transport processes, kinetics, and electrochemistry as applied to cellular processes. <i>Prerequisite: CHEM 470.</i>		
CHEM 470		
BIOCHEMISTRY I	3.0	
Organization of the living cell; structure, function and chemistry of proteins, carbohydrates and lipids; bioenergetics and oxidation. <i>Prerequisite: CHEM 231.</i>		
CHEM 471		
BIOCHEMISTRY II	3.0	
The second semester of a two semester course in biochemistry. The course continues the coverage of the chemistry of proteins, carbohydrates, lipids, and nucleic acids, and their role in cellular function and processes. Topics such as the chemistry of hormones, recombinant DNA, mechanisms of enzyme action, protein synthesis, immunoglobulins and membranes are included. <i>Prerequisite: CHEM 470.</i>		
CHEM 472		
EXPERIMENTAL BIOCHEMISTRY	2.0	
Laboratory studies of carbohydrates, lipids, and proteins, enzyme action, enzyme purification, electrophoresis, biochemical applications of spectroscopy. <i>Prerequisites: CHEM 231 and 232. Special fee. Corequisite: CHEM 470.</i>		
CHEM 473		
INSTRUMENTAL BIOCHEMISTRY LABORATORY	3.0	
A second semester biochemistry laboratory course which emphasizes modern instrumental techniques in use in the field of biochemistry. Experiments will include use of uv-vis spectrophotometer for enzyme kinetics, ultracentrifugation, liquid scintillation counting, fluorescence spectrophotometry, electrophoresis, and high performance liquid chromatography. <i>Prerequisites: CHEM 470 and 472. Special fee. Corequisite: CHEM 471.</i>		
CHEM 490		
SELECTED TOPICS IN CHEMISTRY	2.0-3.0	
In-depth study of a modern aspect of chemistry. <i>Prerequisite: CHEM 231.</i>		
CHEM 491		
HONORS SEMINAR IN CHEMISTRY	2.0	
Seminars and discussions on selected areas in chemistry under faculty guidance for students enrolled in the honors program in chemistry. <i>Prerequisites: Admission to the honors program in chemistry or permission of the chemistry honors committee.</i>		
CHEM 492		
HONORS THESIS IN CHEMISTRY	2.0	
Preparation and oral presentation of a comprehensive written thesis in chemistry under guidance of a faculty mentor for completion of the honors program in chemistry. <i>Prerequisite: CHEM 491.</i>		
CHEM 495		
THE CHEMICAL LITERATURE	1.0	
Introduction to manual and computer-assisted searching of the chemical literature. Includes an individual laboratory project, submission of a written project report, and presentation of a seminar. <i>Prerequisites: CHEM 232. Corequisite: CHEM 233.</i>		
CHEM 496		
BIOCHEMISTRY LITERATURE	1.0	
Introduction to searching the biochemistry literature including computerized searches and exploration of on-line journals and interesting internet sites. After becoming familiar with modern methods of information retrieval, students will conduct individual literature searches and do a group presentation. <i>Prerequisite: CHEM 470. Corequisite: CHEM 471.</i>		
CHEM 498		
SENIOR LABORATORY	3.0	
Multi-disciplinary laboratory study of the synthesis, separation, and characterization of chemical compounds. <i>Prerequisite: CHEM 311, and 341, and 343.</i>		
CHEM 499		
UNDERGRADUATE RESEARCH	1.0-3.0	
Laboratory work on a specific problem in chemistry under guidance of a faculty mentor. <i>Prerequisites: CHEM 233 and departmental approval. Special fee.</i>		

CLASSICS AND GENERAL HUMANITIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Timothy Renner

Classics and General Humanities examine the culture, ideas, and values of earlier Western and related civilizations both in their original time periods and as they have been appropriated and transmuted by later cultures, especially American. The common goals of these programs are to develop a sense of how to conduct critical inquiry into past cultures and modern manifestations of their ideas and values; to impart a feeling for the recurring patterns but also enormous diversity of human culture; and to explore how past cultures form the basis for modern cultures and cultural attitudes.

The major and minor in Classics are broad programs in ancient civilization which study the history, languages, literature, philosophy art, religion, and daily life of the ancient Mediterranean world as seen through texts and artifacts. The major and minor in Latin emphasize the study of literature in the original language; the major requires study of Greek as well. The Latin (Teacher Education) major leads to certification to teach Latin and Classics in New Jersey secondary schools. The Greek minor emphasizes mastery of classical Greek and reading literature in the language. Additionally, the department is a cosponsor, together with the departments of Anthropology and Fine Arts, of the Archaeology minor. Its archeologists participate in the work of the Center for Archaeological Studies. (Refer to index for page number for the Archaeology Minor.)

The programs in Classics and General Humanities are interdisciplinary liberal arts concentrations which provide ideal preparation for careers in business, for professions such as law and medicine, and for graduate work in humanities and social sciences. (Note: Students who intend to do graduate work in classical studies may need additional language study and should consult with the department.)

Classics Major

Required Courses

	Semester Hours
GNHU 281 Greek Civilization	3
GNHU 282 Roman Civilization	3

Electives (Major)

- A. Select 5 courses from Latin (LATN) and Greek (GREK), including at least one course at the 200 level or above* 15
- B. Select 12 semester hours (including at least two classical studies topics courses) from the appropriate list to be obtained from the department 12
- Total Semester Hours:** 33

General Humanities Major

Please refer to the table of contents or index for the page number of this interdisciplinary major.

Latin Major

Required Courses

	Semester Hours
GREK 101,112 Beginning Greek I, II	6
6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age*	18
* Latin courses at the 200 level and above are taught on a four-year cycle.	

Electives (Major)

Select 3 courses from departmental list. GNHU 281 Greek Civilization, GNHU 282 Roman Civilization, and other GNHU courses dealing with ancient history, archaeology, and classical civilization are especially recommended 9

Total Semester Hours: 33

Latin Major

(Teacher Education)

Required Courses

6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age* 18

LATN 419 Methods of Teaching Latin 3

* Latin courses at the 200 level and above are taught on a four-year cycle.

Electives (Major)

Select 4 courses from departmental list (GREK 101, 112 Beginning Greek I, II; GNHU 281 Greek Civilization; and GNHU 282 Roman Civilization are especially recommended) 12

Total Semester Hours: 33

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Latin

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Latin Minor

Students will take 18 semester hours in Latin language and literature (LATN), to be chosen in consultation with a faculty advisor from the department.

Greek Minor

Students will take 18 semester hours in Greek language and literature (GREK), to be chosen in consultation with a faculty advisor from the department.

Classics Minor

Students will take 18 semester hours in the department. A list of recommended courses may be obtained from the department.

Courses of Instruction

Classical Civilization and General Humanities

(All courses taught in English)

GNHU 115
TROY AND THE TROJAN WAR 3.0

For more than 3,000 years the story of the Trojan War has fascinated and attracted people throughout the world. Is the war completely "mythical?" How can different disciplines such as archaeology, linguistics, and the literature be combined to shed light on the historical reality that may lie behind the story as it first appears in Homer? How have the art and literature of other cultures, such as the Romans, the European Middle Ages, or the modern culture of television and movies interpreted and reused the story of Troy, and what can this adaptation tell us about these cultures. Meets Gen Ed 2002-Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)-Humanities, World Literature or General Humanities.

GNHU 181
INTRODUCTION TO CLASSICAL ARCHAEOLOGY 3.0

The science of evaluating Greco-Roman and closely related cultures through observation and analysis of their physical remains. Problems and methods of dating artifacts and sites. Building materials, types, and decorations. Field trip in addition to illustrated lectures and discussions. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course.

- GNHU 182**
ENGLISH VOCABULARY: CLASSICAL ROOTS 3.0
 Systematic development of the student's knowledge of English vocabulary through study of the most important Greek and Latin roots, prefixes, suffixes, and other elements and the ways in which they are used to form words in English.
- GNHU 201**
GENERAL HUMANITIES I (TO 1400) 3.0
 A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets Gen Ed 2002–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities.
- GNHU 202**
GENERAL HUMANITIES II (FROM 1400) 3.0
 A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets Gen Ed 2002–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities.
- GNHU 211**
CLASSICISM AND AMERICAN CULTURE 3.0
 Through the critical analysis of texts ranging from translations of Greco-Roman authors to works on the nature of Western and non-Western culture, the course examines how politicians, novelists, critics, and educators from the 17th century to the present have interpreted the classical past and have viewed it as reflecting their own values or ideals. The course considers classicism both as it has been appropriated by Americans specifically and as a phenomenon common to many cultures. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities.
- GNHU 281**
GREEK CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman conquest as seen through literary, documentary and archaeological sources. Cross listed with History, HIST 281. Meets Gen Ed 2002–Social Science, American or European History. Meets the 1983 General Education Requirement (GER)–Social Science, American or European History.
- GNHU 282**
ROMAN CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary, and archaeological sources. Cross listed with History, HIST 282. Meets Gen Ed 2002–Social Science, American or European History. Meets the 1983 General Education Requirement (GER)–Social Science, American or European History.
- GNHU 285**
MYTHOLOGY 3.0
 The nature and interpretation of mythology, primarily as seen through the myths of Greece and Rome. Selected comparative study of myths of the Near East, Iran, India and other cultures. Meets Gen Ed 2002–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities.
- GNHU 289**
FRANCOPHONE FILM 3.0
 This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to postcolonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FREN 289 and FRIN 289. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- GNHU 290**
SELECTED TOPICS IN GREEK AND ROMAN LITERATURE AND CULTURE 3.0
 This course will examine topics that involve the interrelationships between the literature and the culture of Greece and Rome, including that of the Roman empire broadly understood. It will focus on how literary texts arise from, interact with, explain and critique their cultures and the productions of those cultures, such as art, architecture, rhetoric, sports, politics. This course may be repeated twice for a total of 9 credits.
- GNHU 293**
RUSSIAN CULTURE AND CIVILIZATION 3.0
 The history of Russian culture from the early stages of Slavic civilization to the contemporary post-Soviet Russian Federation. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. (Taught in English.) Cross listed with French, German, and Russian, GRIN 293. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.
- GNHU 361**
SELECTED TOPICS IN MEDITERRANEAN ARCHAEOLOGY 3.0
 The course consists of in-depth study of the archaeological evidence for a selected period, region, or other thematic topic within the ancient Mediterranean world broadly defined. Special attention will be given to the role which archaeology plays in reconstructing the history of past cultures and to the Mediterranean archaeologist's frequent need to reconcile ancient written evidence with archaeologically obtained data.
- GNHU 362**
FIELD METHODS IN MEDITERRANEAN ARCHAEOLOGY 3.0
 This course is a practical introduction to how archaeology is conducted in the field at an ancient site in the Mediterranean world. Students learn basic techniques of surveying, digging, artifact removal and processing, and on-site record keeping as well as the overall organization of an archaeological project in the field. The course is given on-site at an appropriate excavation location. *Prerequisite: One of the following: A previous course in some aspect of Mediterranean archaeology; previous archaeological fieldwork experience; or departmental approval.*
- GNHU 370**
READING SEMINAR IN MEDITERRANEAN ARCHAEOLOGY 3.0
 Directed study based on intensive reading of current literature focused on a region, a problem, or a theoretical issue in Mediterranean archaeology. Students are normally expected to have a background which includes at least one archaeology course. With department approval, may be repeated once for credit.
- GNHU 383**
WOMEN IN ANTIQUITY 3.0
 Women in the ancient world and their contributions to history, literature, philosophy and the arts. Emphasis on Greco-Roman Civilization, with comparative study of other ancient cultures. Meets the Multicultural Awareness Requirement.
- GNHU 384**
INTRODUCTION TO ROMAN LAW 3.0
 The role of law in Roman history and society. Social structure and family law. The law and slavery. Property, contracts, and delicts. Legal forms, legal fictions, and the response of law to new conditions. Roman law in the Medieval and Modern periods.
- GNHU 391**
COOPERATIVE EDUCATION FOR THE LIBERAL ARTS 4.0-8.0
 The aim of this course is to provide liberal arts students with the opportunity to apply their academic knowledge and skills in a professional setting. To meet this aim, the course combines supervised employment experience with seminars and writing assignments. Seminar discussion topics include the meaning of work and success; relationships with co-workers and supervisors; ethical issues in the workplace; problem-solving experiences; the importance of career role models; and the student's changing perceptions of the workplace. *Prerequisites: Completion of 45 credits prior to enrollment with a minimum grade point average of 2.0; permission of the Office of Cooperative Education.*

GNHU 470
SEMINAR IN CLASSICAL HUMANITIES 3.0
Topic to be selected according to faculty and student interest and developed through an interdisciplinary approach.
Prerequisite: Departmental approval.

GNHU 480
INDEPENDENT STUDY IN GENERAL HUMANITIES 1.0-4.0
Directed independent study and research in General Humanities. May be elected in lieu of GNHU 499, *Senior Humanities Seminar*, in years when the seminar is not being offered.
Prerequisite: Departmental approval.

GNHU 499
SENIOR HUMANITIES SEMINAR 4.0
A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem rising from his or her concentration.
Prerequisite: Senior standing as a General Humanities major.

Greek

GREK 101
BEGINNING GREEK I 3.0
The fundamentals of ancient Greek grammar. Reading of simple texts. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

GREK 112
BEGINNING GREEK II 3.0
The continuation of beginning Greek I. The fundamentals of grammar and reading of selected texts. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: GREK 101 or equivalent. Special fee.

GREK 121
INTERMEDIATE GREEK I 3.0
Review of grammar. Selected readings from Greek prose and poetry. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: GREK 112 or equivalent. Special fee.

GREK 132
INTERMEDIATE GREEK II 3.0
Review of grammar. Selected readings from Greek prose and poetry. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: GREK 121 or equivalent. Special fee.

GREK 261
GREEK NEW TESTAMENT 3.0
Selected readings from the New Testament with attention to historical context and to the nature and development of Koine Greek.
Prerequisite: GREK 132 or equivalent.

GREK 262
GREEK EPIC POETRY 3.0
Representative selections from the *Iliad* and *Odyssey*. Homer as an oral poet.
Prerequisite: GREK 132 or equivalent.

GREK 351
ATTIC ORATORS 3.0
Representative works of Lysias, Isocrates, Demosthenes, and others. The orators as stylists and as a source for political and social history.
Prerequisite: GREK 132 or equivalent.

GREK 352
GREEK TRAGEDY 3.0
Selected plays of Aeschylus, Sophocles, and Euripides. The metrics, style, themes, and structure of Attic tragedy. The influence of the Greeks on Western drama.
Prerequisite: GREK 132 or equivalent.

GREK 361
GREEK HISTORIANS 3.0
Readings from Herodotus, Thucydides, and Xenophon. The development of Greek historiography as a literary genre and as a medium for reporting events.
Prerequisite: GREK 132 or equivalent.

GREK 451
GREEK PHILOSOPHERS 3.0
Selected readings, especially from Plato's dialogues concerning the trial and death of Socrates. The Greek philosophical tradition and its development in the archaic and classical periods.
Prerequisite: GREK 132 or equivalent.

Latin

LATN 101
BEGINNING LATIN I 3.0
The fundamentals of classical Latin grammar. Reading of simple Latin texts. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

LATN 112
BEGINNING LATIN II 3.0
The continuation of *Beginning Latin I*. Fundamentals of Latin grammar and reading of selected texts. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: LATN 101 or equivalent. Special fee.

LATN 121
INTERMEDIATE LATIN I 3.0
Review of grammar. Selected readings from Latin prose and poetry. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: LATN 112 or equivalent. Special fee.

LATN 132
INTERMEDIATE LATIN II 3.0
Review of grammar. Selected readings from Latin prose and poetry. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: LATN 121 or equivalent. Special fee.

LATN 201
LATIN LITERATURE OF THE REPUBLIC 3.0
A historical survey of the highlights of Latin literature from its beginnings to the death of Cicero. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: LATN 132 or equivalent.

LATN 202
LATIN LITERATURE OF THE GOLDEN AGE 3.0
A historical survey of the highlights of Latin literature from the second triumvirate through the early Julio-Claudian period. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: LATN 132 or equivalent.

LATN 203
LATIN LITERATURE OF THE SILVER AGE 3.0
A historical survey of the highlights of Latin literature from the Neronian period through the second century of the Christian era. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: LATN 132 or equivalent.

LATN 204
LATIN LITERATURE OF THE MIDDLE AGES 3.0
The highlights of Latin literature from the disintegration of the Roman Empire in the West to the beginning of the Renaissance. Selections from poetry, history, philosophy, theology, and popular literature will be read with attention to style, development of the language, and historical context.
Prerequisite: LATN 132 or equivalent.

LATN 252
ROMAN DRAMA 3.0
Selected comedies of Plautus and Terence with attention to style, form, dramatic technique, and literary ancestry. The influence of Roman comedy on subsequent European drama.
Prerequisite: LATN 132 or equivalent.

LATN 253
THE EPIC AND VERGIL 3.0
Readings primarily from the Aeneid but including selections from the Georgics and Eclogues. Vergil as a literary artist and his role in the development of the epic in Western literature.
Prerequisite: LATN 132 or equivalent.

LATN 254
ROMAN LYRIC POETRY 3.0
Readings from the lyrics of Catullus and Horace, with particular emphasis on style, themes, and metrics.
Prerequisite: LATN 132 or equivalent.

LATN 261
ROMAN BIOGRAPHY 3.0
The biography as a genre: selected passages from Sallust, Tacitus, Suetonius; contrasting these works with autobiographical evidence for the letters and excerpts of other Latin authors.

LATN 351
ROMAN HISTORIANS 3.0
Selected readings from Sallust, Livy, and Tacitus. The development of Roman historiography in the context of Roman history and the Greek historiographical background.
Prerequisite: LATN 132 or equivalent.

LATN 419
METHODS OF TEACHING LATIN 3.0
The history of methodology together with new approaches and techniques. The development of a Latin curriculum, including evaluation of textbooks and construction of lesson plans, reviews, and tests.
Prerequisite: Three Latin courses at the 200 level or above.

LATN 478
ADVANCED LATIN READINGS: SELECTED TOPICS 3.0
Intensive reading and critical study of a selected author, genre, period, or theme in Latin literature. Topic to be announced each semester. May be repeated for credit with different topics.
Prerequisite: Departmental approval.



COMMUNICATION SCIENCES AND DISORDERS

COLLEGE OF HUMANITIES AND
SOCIAL SCIENCES

Chairperson: Joseph S. Attanasio

For Prospective Students:

The undergraduate program in communication sciences and disorders is no longer offered. The Certificate of Clinical Competence of the American Speech-Language-Hearing Association and the NJ licenses in Speech-Language Pathology require the completion of a master's degree. Prospective students are urged to attend Montclair State at the undergraduate level and then matriculate for the master's degree. The master's degree is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Any undergraduate major can serve as a foundation for master's degree work. Students who wish to enter the field of speech-language pathology will need to present evidence that they have taken course work in the following areas: biological/physical sciences; mathematics; and behavioral/social sciences. Students are required to take a minimum of three semester hours in each area.

For undergraduate students who attend Montclair State and who wish to pursue a master's degree in speech/language pathology, a fifteen semester hour cluster of courses will be available to be taken during the senior year. These courses are designed to act as a bridge between undergraduate preparation and master's degree work.

To be taken in the Fall semester

CS&D 408 Phonetic Study of Speech Sounds

CS&D 409 Anatomy and Physiology of Speech & Hearing Systems

CS&D 410 Neurophysiological Bases of Communication

To be taken in the Spring semester

CS&D 500 Speech and Language Acquisition

CS&D 534 Speech and Hearing Science

In addition, students who are undergraduates at Montclair State University may take the courses listed below in preparation for master's degree level work:

PSYC 235 Psychology of Exceptional Children and Youth

CURR 400 Teacher School and Society (required for New Jersey certification as a Speech-Language Specialist)

Prospective students are urged to contact the Department of Communication Sciences and Disorders for advisement during the sophomore or junior year.

Courses of Instruction

CS&D 408

PHONETIC STUDY OF SPEECH SOUNDS

3.0

The articulation of sounds of American English, developing an understanding of articulatory features using the international phonetic alphabet.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 409

ANATOMY AND PHYSIOLOGY OF SPEECH AND
HEARING SYSTEMS

3.0

The anatomical and physiological bases of respiration, phonation, articulation and resonance. The anatomy and physiology of the auditory mechanism.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 410

NEUROPHYSIOLOGICAL BASES OF COMMUNICATION

3.0

Study of the anatomy and physiology of the nervous system as it relates to the development of hearing, vision, thought, memory and emotions, as well as the perception, processing and production of speech and language.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 500

SPEECH AND LANGUAGE ACQUISITION

3.0

The nature of language and language development in young children. Acquisition of phonological, semantic and syntactic systems studied in framework of biological, cognitive, and linguistic theory.

Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CS&D 534

SPEECH AND HEARING SCIENCE

3.0

Study of basic acoustics, memory, and perception. Advanced study of anatomy and physiology of the speech and hearing mechanisms. Commonly used instrumentation will be discussed.

Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

COMMUNICATION STUDIES

SCHOOL OF THE ARTS

Chairperson: Wayne Bond

The Department of Communication Studies offers a generalist degree with specializations in research and writing, oral presentation and visual communication through effective information processing. The department prides itself on the exceptional quality of its faculty, the success of its graduates, and the extensive range of its academic-professional curricula. Speech Communication, a major featuring both liberal arts and professional training, afford students an abundance of opportunities to participate in meaningful learning experiences. Responsibilities increase as their training proceeds and prepares students for a multitude of careers.

Special features of the Speech Communication academic program include specialized internships, Dannis B. Eaton Public Speaking Competition and the National Communication Honor Society of Lambda Pi Eta. The Department of Communication Studies is an accredited institutional member of the National Communication Association. The Bachelor of Arts degree from the Department of Communication Studies requires a successful interview for admission into the major or minor. The dates and requirements for department admission and interviews may be obtained by calling the Department of Communication Studies at 973-655-7471.

Speech Communication Major—B.A.

Required Courses

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 230 Listening	3
SPCM 234 Public Speaking	3
SPCM 250 Intercultural Communication I	3
SPCM 271 Interpersonal Communication I	3
SPCM 374 Group Processes	3
SPCM 375 Nonverbal Communication	3
SPCM 438 Principles of Persuasion	3
SPCM 478 Applied Communication	3

Major Electives

Select 9 semester hours from the following:

SPCM 260 Oral Interpretation of Literature	3
SPCM 272 Interpersonal Communication II	3
SPCM 290 Gender and Communication	3
SPCM 334 Television Production in Communication Studies	3
SPCM 342 Argumentation and Debate	3
SPCM 361 Organizational Communication	3
SPCM 388 Seminar in Public Relations	3
SPCM 413 Visual Communication	3
SPCM 435 Communication Arts Activity	3
SPCM 460 Seminar in Communication Research	3
ENWR206 Business Writing	3

Communication Studies Minor

Students who wish to pursue a minor program in the Department of Communication Studies and have this accomplishment listed on the transcript must proceed as follows:

1. Submit an application, which may be obtained from the Department office, to the chairperson requesting status as a Minor Program student in the Department of Communication Studies.
2. Schedule and complete an interview for acceptance into the Minor Program for Communication Studies.
3. The minimum standard for admission to the program is grade point average of 2.75.
4. Complete the Minor Program sequence.
5. During the senior year, request certification from the Registrar of official records for the completion of minor program of study.

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 234 Public Speaking	3
SPCM 271 Interpersonal Communication I	3
SPCM 374 Group Processes	3
SPCM 438 Principles of Persuasion	3
OR	
SPCM 375 Nonverbal Communication	3

Courses of Instruction

SPCM 101
FUNDAMENTALS OF SPEECH:
COMMUNICATION REQUIREMENT 3.0
Practical opportunities in a variety of speaking situations. Emphasis on clear organization of thought, development of poise and confidence, and effective communication. Distracting elements in voice or articulation considered, with additional work as needed in the speech lab. Meets Gen Ed 2002—Communication, Communication. Meets the 1983 General Education Requirement (GER)—Communication, Speaking/Listening.

SPCM 103
VOICE AND SPEECH IMPROVEMENT 3.0
Theory and practice in the improvement of individual voice and speech patterns and elimination of faults.
Prerequisite: B.A. Speech Communication majors only.

SPCM 104
MEDIA AND SOCIETY 3.0
This course introduces students to different print and electronic communication media, such as newspapers, magazines, radio, television, and the Internet. The course explores how each medium has contributed to changes in communication, from the way in which we process information and do work, to the way we experience entertainment and culture.

SPCM 172
PRINCIPLES OF HUMAN COMMUNICATION 3.0
A survey of the process of human communication on all levels of interaction from interpersonal to mass communication. Introduction to and an awareness of the key principles operating during the process of communication.

SPCM 201
COMMUNICATION THEORY 3.0
This course introduces students to human communication theories. Emphasis is placed on the application of theory to a variety of everyday relational, professional, and cultural situations and the ways in which theory informs and helps us examine human communication.
Prerequisite: SPCM 172.

SPCM 222
PRINCIPLES OF PUBLIC RELATIONS 3.0
Principles of Public Relations is an introductory course designed to expose students to the basic history and theories in the field of public relations. *Principles of Public Relations* will expose you to staple writing activities such as news releases, brochures, and pitch letters. *Principles of Public Relations* will also teach you the basic terminology and skills necessary to succeed in more advanced public relations courses.
Prerequisites: SPCM 172 and 234.

SPCM 230
LISTENING 3.0
The development of critical, discriminative, appreciative, and empathic listening skills; emphasis will be on listening theory/concept exploration, listening skill building, and experiential learning through theory application.
Prerequisite: B.A. Speech Communication majors only.

SPCM 234
PUBLIC SPEAKING 3.0
Preparing and delivering effective, informative, and persuasive speeches; emphasis on outlining, verbal clarity, and effective oral communication in public presentations.
Prerequisite: B.A. Speech Communication majors only.

- SPCM 250**
INTERCULTURAL COMMUNICATION 3.0
 Survey of cultural approaches to communication, including theory and methodology. Will examine the underlying principles and concepts of communication within individuals and across cultures to better understand effective human communication.
Prerequisite: Departmental approval; B.A. Speech Communication majors only.
- SPCM 260**
ORAL INTERPRETATION OF LITERATURE 3.0
 Classroom performances of oral interpretation of various forms of literature followed by informal critiques and the development of a repertory. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.
Prerequisite: B.A. Speech Communications majors only.
- SPCM 271**
INTERPERSONAL COMMUNICATION I 3.0
 Basic theory of interpersonal communication and its practical applications in friendships and intimate relationships; personal communication patterns as they affect self-perception and other perception; emphasis on the effect this process has on our interactions with others; strategies are offered as a means of change, growth and potential in effective interpersonal communication.
Prerequisite: B.A. Speech Communication majors only.
- SPCM 272**
INTERPERSONAL COMMUNICATION II 3.0
 Current literature in the field of interpersonal communication and the relationship of the theory to communication effectiveness. Study of conflict management and interpersonal communication competence.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.
- SPCM 290**
COMMUNICATION AND GENDER 3.0
 An examination of male and female communication patterns and gender expectations in various contexts with emphasis on: (1) the relationship between gender, language and culture; (2) cultural stereotypes regarding gender roles; (3) the implications of gendered understandings on our personal and professional lives.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 304**
MEDIATED COMMUNICATION THEORY 3.0
 The course provides an in-depth examination of mass media theories and social effects on a national and global level. Through case studies, research, screenings, and class discussions students develop analytic tools they can use in their role as proactive consumers and potential creators of media products.
Prerequisite: SPCM 102
- SPCM 322**
PUBLIC RELATIONS WRITING 3.0
 In *Public Relations Writing*, students learn the basic principles associated with public relations writing and how to prepare an assortment of public relations documents. Associated Press (AP) style is reinforced throughout all assignments, and students learn how to construct specialized written documents such as backgrounders, brochures, business letters, pitch letters, infographics, news releases, stationery, business cards, logos. Students are also encouraged to begin portfolio building. Aesthetics is a central focus of the class and students learn the features of effective design.
Prerequisites: SPCM 172 and 222 and 234.
- SPCM 323**
PUBLIC RELATIONS CASES 3.0
Public Relations Cases uses a case-study method to teach student about theoretical and applied principles of public relations campaign management. Students examine successful/unsuccessful examples of public relations in order to learn how to plan more effective campaigns and to evaluate completed campaigns.
Prerequisites: SPCM 172 and 201 and 222 and 234 and 322.
- SPCM 334**
TELEVISION PRODUCTION IN COMMUNICATION STUDIES 3.0
 Hands-on experience in MSU's television studio with focus on production elements including camera operation, directing and creativity through production of commercials, talk shows and variety shows.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 342**
ARGUMENTATION AND DEBATE 3.0
 Principles of argumentation; characteristics of propositions, definitions of terms, logical organization, evidence, research and oral reason, structure of debates; practice in argumentation and debate of current significant issues.
Prerequisites: SPCM 172 and 234; B.A. Speech Communication majors only.
- SPCM 361**
ORGANIZATIONAL COMMUNICATION 3.0
 An experiential study of the role of communication in business and the application of theories of communication in our understanding of organizations. An organizational simulation provides the experience from which students can apply communication theories.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.
- SPCM 374**
GROUP PROCESSES 3.0
 Effective communication patterns for small groups; variables such as cohesiveness, roles, problem-solving, leadership, decision-making as related to the development and maintenance of productive interaction.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.
- SPCM 375**
NONVERBAL COMMUNICATION 3.0
 Introduces nonverbal communication theory to promote a better awareness of its dynamics and influence in the communication process; an awareness of how people reveal and define themselves; a development of skills for encoding and decoding nonverbal messages; creating slide shows.
Prerequisites: SPCM 172; junior status B.A. Speech Communication majors only.
- SPCM 388**
SEMINAR IN PUBLIC RELATIONS 3.0
 Provide background theory and practical experience in public relations. Writing forms and styles, project planning, and campaign strategies as are emphasized.
Prerequisites: SPCM 172 and SPCM 271; B.A. Speech Communication majors only.
- SPCM 403**
INDEPENDENT STUDY 1.0-3.0
 The proposals must be submitted for departmental approval prior to registration for the course.
Prerequisites: Department approval; B.A. Speech Communication majors only.
- SPCM 404**
SEMINAR IN MEDIATED COMMUNICATION 3.0
 This advanced seminar explores emerging communication technologies and their social, cultural, and political implications. The course examines the history and evolution of communication technologies and how they transform our identity, homes, workplaces, communities, and playspaces. Emphasis is place on current issues and case studies drawn from the world of business, government, and entertainment.
Prerequisites: SPCM 102 and 360.
- SPCM 407**
METHODS OF TEACHING SPEECH AND THEATRE 4.0
 Speech education at each grade level: approaches, problems, materials, textbooks, and techniques; trends in instruction integration of speech with other fields.
Prerequisites: Departmental approval; B.A. Speech Communication majors only.
- SPCM 413**
VISUAL COMMUNICATION 1.0-3.0
 A variable credit course for students to experience the area of visual communication through computer desktop publishing. Students are responsible for designing, editing, and producing various printed material. May be repeated for a maximum of three credits as major electives. May be repeated for a maximum of six credits for free electives.
Prerequisites: SPCM 172; B.A. Speech Communication majors only.

SPCM 422
PUBLIC RELATIONS MANAGEMENT 3.0
Public Relations Management is designed to teach advanced public relations management and planning skills. The goals of *Public Relations Management* are twofold. One: to expose students to theories of ethics, public behavior, planning, budgeting, writing, and message production relevant to the practice of public relations. And two: to teach students how to more effectively craft messages in a variety of public relations contexts and to diverse publics.
Prerequisites: SPCM 172 and 201 and 222 and 234 and 322 and 323 and 374.

SPCM 435
COMMUNICATION ARTS ACTIVITY 1.0-3.0
 Credit is given for supervised speech arts activity. Various topics offered periodically. Credit by arrangement.
Prerequisites: Departmental approval; B.A. Speech Communication majors only

SPCM 438
PRINCIPLES OF PERSUASION 3.0
 Theory and application of persuasive principles in various fields of society with focus on communication strategies for awareness, understanding, evaluation, and change of social forces in media, education, government, business, religion, politics, relationships, and industry. Learn to become a critical receiver.
Prerequisites: SPCM 172 and 234; senior level; B.A. Speech Communication majors only.

SPCM 460
SEMINAR IN COMMUNICATION RESEARCH 3.0
 An investigation of social science research techniques and procedures focused on the speech communication discipline. Research paper is the end project.
Prerequisites: SPCM 172; junior level; B.A. Speech Communication majors only.

SPCM 478
APPLIED COMMUNICATION 3.0
 Identification of practical applications and implications for the theories of human communication are explored with specific focus on communication careers through interviewing techniques, resumes, and career panels with communication professionals. A practical approach allows a synthesis of learned communication theory and applied communication practice.
Prerequisites: SPCM 172 and 271; senior level; B.A. Speech Communication majors only.

SPCM 490
INTERNSHIP: COMMUNICATION STUDIES 4.0-16.0
 Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in active, successful communication activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisites: Departmental approval; B.A. Speech Communication majors only.

SPCM 499
HONORS: SENIOR SEMINAR 3.0
 Students pursue independent projects related to their major academic and professional interests, and meet for tutorial sessions on selected topics. Seminar culminates in a major project related to research, performance, production, or pedagogy.
Prerequisites: Departmental approval; senior level; B.A. Speech Communication majors only.



COMPUTER SCIENCE

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Dorothy Deremer

Knowledge of Computer Science is increasingly important for understanding and participating in society. The Bachelor of Science degree stresses the role of computing as a discipline and as a profession. Students in the major may focus their interests through the Concentration in Professional Computing (CPC) or the Informatics Concentration. CPC is nationally accredited. Students are prepared for technical professions or to continue their studies in graduate school. Qualified students may participate in the honors program in Computer Science. The department includes a chapter of Upsilon Pi Epsilon, the national honor society in computer science. Special courses such as the Department's Cisco Networking Academy introduce students to emerging technologies.

Detailed information about programs, independent study, cooperative education, transfer credit, and advanced placement credit is available from the coordinator of undergraduate advising.

Computer Science Major

Required Courses

CMPT 183	Foundations of Computer Science I	3
CMPT 184	Foundations of Computer Science II	3
CMPT 280	Assembly Language and Computer Architecture	3
CMPT 281	Theory of Digital Machines	3
CMPT 285	Discrete Mathematical Structures	3
CMPT 287	Data Structures and Algorithms	3
CMPT 381	File Processing	3
CMPT 384	Systems Software	3

Collateral Courses

Mathematics

MATH 122	Calculus I	4
MATH 221	Calculus II	4
MATH 335	Elements of Linear Algebra	4
MATH 340	Probability	3

and

One of these four sequences

1. PHYS 191, 192	University Physics I, II	4 ea.
2. CHEM 120, 121	General Chemistry I, II	4 ea.
3. ACCT 201, 202	Fundamentals of Accounting I, II	3 ea.
MGMT 231	Management Processes	3
4. ECON 101, 102	Principles of Economics: Macro, Micro	3 ea.
MGMT 231	Management Processes	3

Note: The department recommends that students consider taking a second and possibly third sequence in collateral courses, as well as technical and scientific writing courses. Independent study in advanced areas is available.

Computer Science Major Electives

Select 9 semester hours from the appropriate list to be obtained from the department 9

Informatics Concentration

This concentration is intended for students whose interest lies in those areas of computing that deal with designing, implementing and maintaining information systems. To qualify for this concentration students must complete the required CMPT courses (24 s.h.), and the collateral MATH courses (15 s.h.) for the computer science major as well as the following:

Required Courses

	Semester Hours
CMPT 261	Business Data Processing 3
CMPT 382	Systems Analysis and Design 3
CMPT 387	Principles of Data Communication 3
CMPT 483	Database Systems 3

Collateral Courses

ECON 101	Principles of Economics: Macro	3
ECON 102	Principles of Economics: Micro	3
MGMT 231	Management Processes	3

Electives

Select one course from the following:

CMPT 472	Computer Graphics	3
CMPT 474	Software Engineering	3
CMPT 481	Operating Systems	3
CMPT 484	Fundamentals of Programming Languages	3
CMPT 485	Compiler Construction	3
CMPT 486	Design of Computer Interfaces	3
CMPT 487	Local Area Networks (LANs)	3
CMPT 493	Advanced Database Theory	3
CMPT 499	Cooperative Education in Computer Science	3-8

Note: The Department recommends that students in the Informatics Concentration take either CMPT 487 or CMPT 493 as the elective.

Professional Computing Concentration

This concentration provides depth and breadth in theory, abstraction, and design in the context of computer science as a discipline and a profession. CPC is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET). CAC is sponsored by the Institute of Electrical and Electronics Engineers Computer Society (IEEE-CS) and the Association for Computing Machinery (ACM). To qualify for CPC, students must complete the Computer Science major required courses (24 s.h.), collateral courses in Mathematics (15 s.h.) for the Computer Science major, as well as the following:

Collateral Courses

One of the following sequences:

1. PHYS 191, 192	University Physics I, II	8
2. CHEM 120, 121	General Chemistry I, II	8
3. BIOL 140 and either BIOL 120 or 130		8

AND 2 Non-lab courses for Science Majors 6
(See the department for an approved list of courses.)

Required Advanced Computer Science Courses

CMPT 385	Computer System Organization	3
CMPT 387	Principles of Data Communications	3
CMPT 481	Operating Systems	3
CMPT 484	Fundamentals of Programming Languages	3

Computer Science Electives

Select 3 courses (9 s.h.) from the list of approved courses which is available from the department.

Computer Science Minor

Students may earn a minor in computer science by satisfactorily completing an 18 semester hour program which includes CMPT 183, 184, 280, 285, 287, and one other approved CMPT course. See the department's coordinator of undergraduate advising for the list of approved courses. At least 9 semester hours must be taken at Montclair State University.

Courses of Instruction

- CMPT 107**
COMPUTERS AND SOCIETY 2.0
 The impact of the digital computer on modern society. Use of application packages and computer language for problem solving. Computer organization. History of computation. Not for math/computer science majors. Meets the 1983 General Education Requirement (GER)—Mathematics, Computer Science.
Prerequisite: MATH 051 or satisfactory score on both of the mathematical components of the MSUPT. Special fee.
- CMPT 108**
COMPUTERS AND PROGRAMMING 3.0
 Develop programming competence in a language such as BASIC or Pascal and an introduction to the use of a word processing package. Problems will be primarily of a non-mathematical nature. Discussion of the impact of the computer revolution on society. Not for mathematics or computer science majors. Meets the 1983 General Education Requirement (GER)—Mathematics, Computer Science.
Prerequisite: MATH 051 or MATH 061 or satisfactory score on both of the mathematical components of the MSUPT. Special fee.
- CMPT 109**
**INTRODUCTION TO COMPUTER APPLICATIONS:
 BEING FLUENT WITH INFORMATION TECHNOLOGY** 3.0
 An introduction to the skills, concepts, and capabilities necessary to effectively use information technology across the curriculum, through computer applications. Not for mathematics major elective credit or computer science major elective credit. Meets Gen Ed 2002—Computer Science. Meets the 1983 General Education Requirement (GER)—Mathematics, Computer Science.
Prerequisite: MATH 051 or MATH 061 or satisfactory score on both of the mathematical components of the MSUPT. Special fee.
- CMPT 112**
HONORS SEMINAR IN COMPUTING 3.0
 Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word processing, spreadsheets, data bases, and communications. Cross listed with Honors Program, HONP 112. Meets the 1983 General Education Requirement (GER)—Mathematics, Computer Science.
Prerequisite: Departmental approval.
- CMPT 183**
FOUNDATIONS OF COMPUTER SCIENCE I 3.0
 Basic theory of digital computers. Syntax and semantics of a programming language. Algorithms: logic, design, testing and documentation. Meets the 1983 General Education Requirement (GER)—Mathematics, Computer Science.
Prerequisite: MATH 111, 112, 114, 116, 122 or 221. Special fee.
- CMPT 184**
FOUNDATIONS OF COMPUTER SCIENCE II 3.0
 Continuation of CMPT 183. Algorithm development involving user functions; subroutines, recursions, structures file manipulation.
Prerequisite: CMPT 183.
- CMPT 280**
ASSEMBLY LANGUAGE AND COMPUTER ARCHITECTURE 3.0
 Computer structures, the conventional machine level, introduction to assembler language.
Prerequisite: CMPT 184.
- CMPT 281**
THEORY OF DIGITAL MACHINES 3.0
 Microprogramming level of a computer, the operating system level, gates, sequential and combinational circuits, flip-flops, registers, number codes.
Prerequisite: CMPT 280 and 285.
- CMPT 285**
DISCRETE MATHEMATICAL STRUCTURES 3.0
 The structures include sets, graphs, digraphs, trees, networks, lattices, matrices, semigroups and groups. Many practical business and scientific problems can be posed and solved by the use of these structures.
Prerequisite: MATH 112.
- CMPT 287**
DATA STRUCTURES AND ALGORITHMS 3.0
 Data structures including linear lists, strings, trees, chains, paging, data base design, storage systems, and structures.
Prerequisites: CMPT 184 and CMPT 285.
- CMPT 290**
INTRODUCTION TO COGNITIVE SCIENCE 3.0
 An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy. Cross listed with Psychology, Psyc 290.
Prerequisite: ANTH 100 or PSYC 101 or CMPT 183 or LNGN 210 or PHIL 100.
- CMPT 296**
TOPICS IN A PROGRAMMING LANGUAGE 1.0
 An introduction to a selected programming language with a view to learn the most important structures in that language. Each time the course is offered only one programming language will be taught, but the language could vary from one semester to another. The course could be taken more than once by the same student, provided the languages are different. May be repeated four times for a total of five semester hours.
Prerequisite: CMPT 184.
- CMPT 363**
INTRODUCTION TO NUMERICAL COMPUTING 3.0
 Fundamentals of numerical computation, with emphasis on basic algorithms and their efficient implementation: appropriate treatment of theoretical bases. Topics include floating point arithmetic, roundoff error and propagation, numerical solution of nonlinear equations, interpolation and approximation, and numerical integration. The FORTRAN language will be taught and used in programming assignments.
Prerequisite: CMPT 183 and MATH 221.
- CMPT 371**
SOFTWARE ENGINEERING I: ANALYSIS AND DESIGN 4.0
 Utilization of software engineering principles and techniques for the specification, analysis and design of high-quality complex software systems including both technical and non-technical aspects.
- CMPT 372**
**SOFTWARE ENGINEERING II:
 IMPLEMENTATION AND TESTING** 4.0
 This course utilizes software engineering principles and techniques for the implementation, testing and maintenance of high-quality complex software systems, as designed in a previous course.
- CMPT 381**
FILE PROCESSING 3.0
 Secondary storage and its physical constraints. Types of fields and records. Sequential, direct, indexed, ISAM, and VSAM file organization. Sequential, random, and secondary access methods. Searching, sorting, updating and retrieving from files. File maintenance.
Prerequisite: CMPT 287.
- CMPT 382**
SYSTEM ANALYSIS AND DESIGN 3.0
 A major project includes forms design, sequential files, files, merge, sort, and editing programs.
Prerequisite: CMPT 184.
- CMPT 384**
SYSTEMS SOFTWARE 3.0
 Design and implementation of assemblers, linkage editors and loaders, libraries, macro processors, and text editors; their relationship to an operating system.
Prerequisite: CMPT 280 and CMPT 287.
- CMPT 385**
COMPUTER SYSTEM ORGANIZATION 3.0
 Introduction to chip technology, microprocessors, microcomputers, architecture, instruction sets and programming of microcomputers, and other bus-oriented computers.
Prerequisite: CMPT 281.

CMPT 387			
PRINCIPLES OF DATA COMMUNICATIONS	3.0		
Fundamentals of data communication topics. Analog digital, Broadband-Baseband, TDM-FDM, AM-FM techniques. Error codes and protocols.			
<i>Prerequisite: CMPT 281.</i>			
CMPT 388			
FOUNDATIONS OF ARTIFICIAL INTELLIGENCE	3.0		
A general, comprehensive coverage of the main areas constituting the field of artificial intelligence, introduction of computer vision, natural language processing (NLP), pattern recognition and neural networks.			
<i>Prerequisite: CMPT 384.</i>			
CMPT 472			
COMPUTER GRAPHICS	3.0		
An introduction to computer graphics, including the algorithms to generate two-dimensional and three-dimensional graphical pictures. An overview of interactive graphics and graphics devices.			
<i>Prerequisites: CMPT 287 and MATH 335.</i>			
CMPT 474			
SOFTWARE ENGINEERING	3.0		
This course is designed to introduce the principles and methods for the design, coding, and verification of large software systems. Topics include software design techniques, programming methodology, programming testing, and software reusability.			
<i>Prerequisites: CMPT 381 and 384.</i>			
CMPT 481			
OPERATING SYSTEMS	3.0		
Process Management. Process synchronization and deadlock prevention. Memory Management. Interrupts processing. I/O Control.			
<i>Prerequisite: CMPT 281 and CMPT 384.</i>			
CMPT 483			
DATABASE SYSTEMS	3.0		
A comprehensive collection of database organizations and design tools: file organizations and evaluations, database structures, schemata and implementations. Database security, operations and management.			
<i>Prerequisites: CMPT 381.</i>			
CMPT 484			
FUNDAMENTALS OF PROGRAMMING LANGUAGES	3.0		
Syntax and semantics of modern programming languages with emphasis on programming in the large, functional, logic, and object-oriented paradigms. Common threads found in both imperative and non-imperative languages discussed.			
<i>Prerequisite: CMPT 384.</i>			
CMPT 485			
COMPILER CONSTRUCTION	3.0		
Introduction to the concepts and techniques used in the description of programming languages and in the construction of compilers.			
<i>Prerequisites: CMPT 484.</i>			
CMPT 486			
DESIGN OF COMPUTER INTERFACES	3.0		
Basic digital and analog computing circuits and interface circuits, computer-telecommunication interfaces.			
<i>Prerequisite: CMPT 385.</i>			
CMPT 487			
LOCAL AREA NETWORKS (LAN'S)	3.0		
Overview, topology, taxonomy, transmission, technology media and control protocols of microcomputer LAN's.			
<i>Prerequisite: CMPT 387.</i>			
CMPT 490			
HONORS SEMINAR IN COMPUTER SCIENCE	3.0		
Topics not usually covered within standard computer science courses. A written and an oral report are required.			
<i>Prerequisites: CMPT 287 and MATH 335 and departmental approval.</i>			
CMPT 493			
ADVANCED DATABASE THEORY	3.0		
This course continues the introduction to data management. Topics include: security, integrity, concurrency and recovery, query optimization, file structures and other performance issues.			
<i>Prerequisite: CMPT 483.</i>			
CMPT 495			
TOPICS IN COMPUTER SCIENCE FOR UNDERGRADUATES	1.0-3.0		
Study of specialized topics in computer science.			
<i>Prerequisites: CMPT 287 and departmental approval.</i>			
CMPT 497			
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE I	1.0-3.0		
Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498.			
<i>Prerequisites: CMPT 281 and MATH 335 and departmental approval.</i>			
CMPT 498			
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE II	1.0-3.0		
Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498.			
<i>Prerequisites: CMPT 281 and MATH 335 and departmental approval.</i>			
CMPT 499			
COOPERATIVE EDUCATION IN COMPUTER SCIENCE	3.0-8.0		
The study of theoretical ideas of computer science combined with their practical applications in a real life environment. The co-op experience is a semester working off-campus under the guidance of a company supervisor, and a faculty supervisor. Only 3 of the 8 credits may be used to fulfill the major requirement.			
<i>Prerequisites: CMPT 381 or 384 and departmental approval.</i>			

COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: David E. Weischadle

Students enrolled in one or more courses offered by the Department of Counseling, Human Development and Educational Leadership will broaden their knowledge and skills in the areas of communication, careers, leadership abilities training, value clarification, group and/or team building and interpersonal interaction. These courses, with the general aim of building foundations for a life open to learning and enrichment, are designed to serve students from varied fields and interests. Among other courses offered by the department are those dealing with counseling techniques used in the alcoholism recovery process.

For those students wishing to further supplement their chosen major and professional development, an 18-credit Human Services Minor has been developed. This minor will help students increase their communication skills to be used in their own areas of specialization, as well as better comprehend theoretical foundations of both group and one-to-one interaction. They will facilitate the acquisition of skills, knowledge and self-confidence necessary to become more effective leaders and helping professionals.

This department also offers Masters' degrees with specializations involved in guidance, counseling, human services, school social work, school administration and supervision, and organizational training.

Human Services Minor

Advisor: Tete Tetens

Required Courses

	Semester Hours
COUN 329 Theories and Techniques of Group Process	3
COUN 330 Dynamics of One-to-One Communication	3
COUN 331 Group Dynamics	3
COUN 434 Facilitating the Interactive Process II	3

Electives

Select 6 semester hours in consultation with and approval of the advisor in Counseling, Human Development and Educational Leadership.

Courses of Instruction

COUN 329
THEORIES AND TECHNIQUES OF GROUP PROCESSES 3.0
Given that we function in groups of all sizes with diverse populations and with various purposes throughout life, this course provides an understanding of the underlying dynamics of groups and provides the opportunity to relate the theories of group development to the actual group process. Students will explore theories and techniques useful in the positive development of entelchy groups.

COUN 330
DYNAMICS OF ONE-TO-ONE COMMUNICATION 3.0
This course is designed to examine the dynamics of one-to-one communication through readings and experientially. The course will further develop personal goals for optimizing personal communication and assist in establishing strategies for the attainment of these goals. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

COUN 331
GROUP DYNAMICS 3.0
This course is a seminar laboratory experience designed to facilitate human relationships. Focus is on individual behavior in groups. Participation in actual group process provides opportunity for development of insight into the effects of one's behavior on others. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

COUN 333
LEADERSHIP TRAINING 3.0
This course will demonstrate and utilize the special skills required for effective leadership. The course is offered as Pass/Fail only.

COUN 413
INTRODUCTION TO NEUROLINGUISTIC PROGRAMMING AND ERICKSONIAN TECHNIQUES 3.0
A laboratory-based course which will introduce students to, and provide the opportunity for them to critically evaluate the history, theory and applications in the field of NLP and Ericksonian techniques.

COUN 430
INTERACTION ANALYSIS 3.0
The purpose of this course is to help participants become more objective in their observations and reporting of interactions which they witness or in which they participate. Various observational tools and methods will be used in the gathering of objective data on three kinds of interaction (interpersonal, small group, and classroom).

COUN 432
PERSONAL VALUES 3.0
Designed to help each participant undertake a personal exploration of his own values, what they are and how he got them, and then consider alternatives available. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

COUN 433
FACILITATING THE INTERACTIVE PROCESS I 3.0
Through lectures, readings, seminars and critical observations, students will gain an understanding of the influence of norms, leadership styles, peers, and other factors on the development of a cohesive group. This experience is preparation for working facilitatively in small groups.

COUN 434
FACILITATING THE INTERACTIVE PROCESS II 3.0
This course provides the opportunity for students to gain practical experience in facilitating groups. They will critically examine the effectiveness of their facilitation style and the methodology they utilize. Students will be expected to be involved in task and process groups. If they choose to co-lead a group with a staff member, they will be expected to be available to assist in all learning endeavors.

COUN 450
INTRODUCTION TO ALCOHOL/DRUG COUNSELING 3.0
Focuses on alcohol and other drug dependency treatment and fundamental issues of intake, assessment, individual, group and family counseling. Symptoms of the illness, various treatment modalities and relapse crises, as well as "twelve step" programs are explored. Discusses the role of the substance awareness coordinator in intervention and referral, as well as ethics and confidentiality.

COUN 454
COMMUNITY RESOURCES IN ALCOHOLISM AND SUBSTANCE ABUSE COUNSELING 3.0
Examines how inpatient and outpatient community resources in substance abuse treatment are integrated with other social service agencies. The cultural milieu of the schools and education and prevention with families and adolescents is emphasized. Discusses ethics, policy setting, staff training and curriculum development.

COUN 481
THE LEGAL RIGHTS OF WOMEN 3.0
This course will include some historical background for clearer understanding of what the changes in laws mean for women and men. Discussion and study of the effect of affirmative action, civil rights legislation and titles VI and IX will be included. Legal rights in the areas of education, employment, finances and credit, property ownership, marriage and divorce, health care, pensions and criminal law will be covered. Meets the Multicultural Awareness Requirement.

CURRICULUM AND TEACHING

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Richard Wolfson

The mission of the department of Curriculum and Teaching is the professional education of public school teachers. Its faculty offers courses in the professional education sequence. Special care has been taken in the development of the field experience courses. In order to support the continuing professional growth of teachers, there are programs and courses at the graduate level.

The Teacher Education Program is described under Other Programs in this catalog. Please refer to the index for the page number.

Courses of Instruction

CURR 200

INITIAL FIELD EXPERIENCE 1.0

An introductory course in the professional education sequence. Classroom instruction and visits to public schools will provide students the opportunity to examine public education from a professional perspective. (This course is required before full admission to Teacher Education.)

CURR 400

TEACHER, SCHOOL AND SOCIETY 3.0

An overview of the field of education, includes a consideration of instructional, curricular, legal and professional issues affecting teachers, schools and society as well as implications for students.

CURR 402

SEMINAR IN PROFESSIONAL EDUCATION 1.0

Part of the professional semester. It provides an opportunity to discuss problems encountered in teaching with peers and supervisors and to find practical solutions to problems experienced. Placement in professional semester field center. Course only open to student teachers.

Prerequisite: CURR 410 or CURR 500.

Corequisite: CURR 435, and 411, or 414, or 416, or 417.

CURR 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teacher to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Educational Foundations, EDFD 409 and Literacy and Educational Media, READ 409.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

CURR 410

INTERMEDIATE FIELD EXPERIENCE IN EDUCATION 1.0-3.0

Thirty hours per credit in a public school as assistant to the classroom or subject teacher. Observing, working with individuals and small groups of students, helping with clubs and student activities, teaching 'mini-lessons' and becoming familiar with teacher activities. Each student keeps a log of activities. Class meetings on campus during the experience are arranged.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program. In addition students must have filed a timely "Field Experiences Application" with the Center of Pedagogy.

CURR 411

SUPERVISED STUDENT TEACHING 8.0

Student teaching in the public schools of New Jersey is required of all students who complete the regular program of certification requirements. Part of professional semester.

Corequisites: CURR 402 and CURR 435.

CURR 412

FIELD WORK IN URBAN EDUCATION 1.0-3.0

Similar to CURR 410 with emphasis on tutoring and individual conferences in urban public school. Student keeps a log of activities. Class meetings on campus. Meets the Multicultural Awareness Requirement.

Prerequisite: Departmental approval.

CURR 414

IN-SERVICE SUPERVISED TEACHING I 4.0

Replaces supervised student teaching for those employed in teaching situations without standard certification. Joint supervision by the school district and university personnel. Student must have permission of department chairperson and the school district.

Prerequisite: Departmental approval.

Corequisite: CURR 402.

CURR 415

IN-SERVICE SUPERVISED TEACHING II 4.0

Continuation of In-Service supervised Teaching I; the corequisite seminar is replaced by a series of special in-service conferences included in the course.

Prerequisite: Departmental approval.

CURR 416

SUPERVISED STUDENT TEACHING FOR SPEECH-LANGUAGE SPECIALIST STUDENTS 3.0

Student teaching experience for students in the Speech-Language Pathology Program who are seeking the Speech-Language Specialist teaching certificate. Students spend thirteen weeks in school-based field sites, log a minimum of 100 clinical hours, and participate in the cooperating school clinician's schedule (e.g. child study team meetings, parent conferences).

Prerequisite: Departmental approval

CURR 417

MUSIC EDUCATION SUPERVISED STUDY I 4.0

Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight credits required for certification. Limited to Music majors.

Prerequisite: Departmental approval.

CURR 418

MUSIC EDUCATION SUPERVISED STUDY II 4.0

Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight semester hours required for certification. Limited to Music majors.

Prerequisite: Departmental approval.

CURR 423

TEACHING IN URBAN SCHOOLS 3.0

Focuses on factors affecting teaching and learning in urban schools. Topics include the nature and structure of urban schools, recent innovations in urban settings, mores and family patterns in the inner city, and funding opportunities. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

CURR 435

EFFECTIVE TEACHING/PRODUCTIVE LEARNING 3.0

The course is designed for students preparing for and subsequently participating in the teaching internship. It will develop basic teaching skills which the research literature indicates are related to productive learning outcomes. The skill areas are those of communication, motivation, classroom discipline, learning and cognitive development, media usage, multi-cultural education, curriculum, and evaluation and practical research. Part of the professional semester.

Corequisites: CURR 402; and CURR 411 or 414 or 415 or 417.

EARLY CHILDHOOD AND ELEMENTARY EDUCATION

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Nancy Lauter

The department of Early Childhood and Elementary Education provides preparation for the care and education of young, school-age, and pre-adolescent children in a variety of public school and community-based settings. Faculty share a strong commitment to improve the care and education of all children, build a strong knowledge base through inquiry, prepare effective practitioners, advocate for systems that include and respect all children and their families, and provide professional leadership at local, state and national levels. Within a framework of national teaching standards and developmentally appropriate practice, our students gain the knowledge, dispositions, and skills necessary to become productive and reflective practitioners in increasingly diverse and inclusive schools. Students may choose to pursue an early childhood teacher certificate (preschool through third grade) or an elementary teacher certificate (kindergarten through eighth grade). For a list of requirements for the Human Ecology major, Family and Child Studies–Early and Middle Childhood Concentration (K-8 Teacher Certification) or the Human Ecology major, Family and Child Studies–Early Childhood Concentration (Pre-School–Grade 3 [P-3] Teacher Certification), refer to pages 140–141.

Courses of Instruction

ECEL 400 PERSPECTIVES ON EARLY CHILDHOOD EDUCATION: 3.0 HISTORICAL, PHILOSOPHICAL, AND SOCIAL

This course surveys the historical, philosophical, and social constructs of early childhood education. Emphasis will be placed on the events, cultural perspectives, and developmental understandings that shape our principles of early childhood education. Models of early childhood programs, particularly those that support inclusive settings, will be examined. Focus on the developmental needs of young children and the central role of families and local communities will be a major theme throughout the course.

ECEL 417 PROBLEM SOLVING IN SCIENCE AND TECHNOLOGY IN 2.0 EARLY CHILDHOOD CLASSROOMS

Offers students preparing to teach young children an opportunity to learn about various ways to design and implement experiences that will help children understand the natural (science) and human made (technology) world. Students will develop skills and dispositions for motivating young children to discover, explore, and engage in experimentation and play in order to stimulate intellectual growth through creativity and imagination. Students plan and implement developmentally appropriate activities in science and technology, as well as design an environment and promote an atmosphere that encourages critical and creative thinking skills and problem solving strategies.

Prerequisites: PSYC 101, and HEFM 214, and HEFM 314.

ECEL 418 SOCIAL AND CULTURAL CONTEXT OF FAMILIES AND 2.0 COMMUNITIES

This course is designed to provide an understanding of the relationships among teacher, parent, child and community. The roles that family and community play in the lives of children will be examined through a multicultural perspective. Factors that impact a child's social and cognitive success will be addressed as well as community resources. A major focus of the course will be on the development of skills for engaging parents and for helping them to become active participants with school and community. The effect of children's behaviors on adults will be studied.

ECEL 420

CURRICULUM DEVELOPMENT I: PROGRAM PLANNING AND 3.0 MANAGEMENT IN INCLUSIVE EARLY CHILDHOOD SETTINGS

Development of skills needed for the P-3 classroom teacher with an emphasis on addressing diversity of needs through the application of Learning Styles and Multiple Intelligence theory. Students will apply developmentally appropriate practices, including play in classroom settings. Focus on the development of the classroom environment and management strategies will support an understanding of classroom community. The roles of family and community in child learning and linkages between families and schools will be explored. Students will integrate the Core Curriculum Content Standards and both standardized and authentic assessment strategies.

ECEL 435

CURRICULUM DEVELOPMENT II: CONTENT INTEGRATION 3.0 AND ASSESSMENT

This course engages students in thoughtful, active exploration of their own learning experiences and their development as professionals who can think through and problem solve teaching and learning dilemmas. Students will be required to develop integrated curriculum units, articulate and discuss issues of teaching and learning, and assess curriculum as it is implemented in their classrooms. The course will focus on assessment of instructional strategies used in the classrooms and assessment of children's development/learning as it relates to curriculum planning. Students will develop, implement, and assess an integrated unit, which is culturally responsive and adaptive to the needs of each child. Additional topics will include curriculum strategies, developing and assessing professional goals, and classroom management.

EARTH AND ENVIRONMENTAL STUDIES

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Jonathan M. Lincoln

The department offers a major in geography, a major in geoscience, a major in geoscience with concentration in environmental science, earth science teacher certification and a minor in geoscience.

The geography major leads to a Bachelor of Arts degree. The teaching emphasis in geography is on the formulation of concepts and theory, analysis of environmental and census data, data presentation techniques, interrelationships between human and natural elements, locational analysis and environmental and urban problem solving. Students may specialize in environmental studies, urban studies or geography and regional analysis by selecting appropriate elective courses. All specializations are applied in their nature and lead to careers in fields such as environmental management, city and regional planning, community development, economic development, transportation planning and real estate development. An important feature of the geography major is a recommended full semester, off-campus internship that enables students to work in public and private agencies.

The Geoscience major leads to a Bachelor of Science degree. Geoscience includes the study of earth materials, earth processes and earth history as well as the study of the earth's oceans and atmosphere. Students in the geoscience major are prepared for careers as professional geologists working for environmental planning and remediation companies, mining and petroleum industries, government agencies and civil engineering and construction companies. The geoscience major also prepares students for graduate study in the geological sciences and related specialties. Nearly all courses taken within the geoscience major include laboratory and off-campus field studies.

A concentration in environmental science is offered as an option within the geoscience major for those students seeking careers in the environmental consulting industry. This concentration includes biology, chemistry and nontraditional environmental geology courses not required for the standard geoscience major. Earth Science teaching certification is available for majors who also complete the professional teaching sequence. A minor in geoscience is also available.

Geography Major

Required Courses

	Semester Hours
EUGS 100 Principles of Geography	3
EUGS 101 Human Geography	3
OR	
EUGS 102 World Geography	3
EUGS 206 Introduction to American Urban Studies	3
EUGS 309 Research Methods	3

Geography Electives

Select 21 semester hours from the appropriate list to be obtained from the department 21

Concentration in Urban Studies

Required Courses

	Semester Hours
EUGS 100 Principles of Geography	3
EUGS 101 Human Geography	3
OR	
EUGS 102 World Geography	3
EUGS 206 Introduction to American Urban Studies	3
EUGS 309 Research Methods	3

Urban Studies Electives

Select 21 semester hours from the appropriate list to be obtained from the department 21

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Geoscience Major

Required Courses

GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
GEOS 431 Invertebrate Paleobiology	4
GEOS 434 Stratigraphy	4
GEOS 443 Mineralogy	4
GEOS 444 Petrology	4
GEOS 472 Structural Geology	3

Collateral Courses

CHEM 120, 121 General Chemistry I, II 4 each

Select one of the following two sequences in mathematics:

MATH 115 Precalculus Mathematics 3
MATH 116 Calculus A 4

OR

MATH 122 Calculus I 4
MATH 221 Calculus II 4

Select one of the following two sequences in physics:

PHYS 191, 192 University Physics I, II 4 each
PHYS 193, 194 College Physics I, II 4 each

Recommended in addition to the above:

CMPT 183 Foundation of Computer Science I 3
MATH 109 Statistics 3

Electives (Departmental)

Select 11 semester hours from the appropriate list to be obtained from the department 11

Concentration in Environmental Science

Required Courses

	Semester Hours
BIOL 132 Animal Form and Function	4
BIOL 213 Introduction to Field Ecology	4
BIOL 256 Applied Environmental Microbiology	3
CHEM 230 Organic Chemistry I	3
CHEM 232 Experimental Organic Chemistry I	2
GEOS 112 Physical Geology (required major course)	4
GEOS 450 Principles of Soil Science	3
GEOS 452 Geohydrology	3
Select one of the following:	
GEOS 454 Environmental Geochemistry	3
CHEM 320 Environmental Chemical Analysis	3

Research Requirement

GEOS 490 Seminar in Geoscience 2
OR
BIOL 490 Senior Seminar in Biology 2

Electives (Departmental)

Select a minimum of 3 s.h. from the following:

The following electives may not count as Geoscience major electives:

BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 370 Principles of Ecology	4
BIOL 426 New Jersey Flora	4
BIOL 430 Field Ornithology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Limnology	3

The following electives may count as Geoscience major electives:

GEOS 250	Map Reading and Cartography	4
GEOS 251	Aerial Photograph Interpretation	4
GEOS 310	Economic Geology	3
GEOS 457	Meteorology	4
GEOS 480	Field Studies in Geoscience	4

Geoscience Minor

Required Courses

GEOS 112	Physical Geology	4
GEOS 114	Historical Geology	4

Select one of the following two sequences:

GEOS 431	Invertebrate Paleobiology	4
GEOS 434	Stratigraphy	4

OR

GEOS 443	Mineralogy	4
GEOS 444	Petrology	4

Electives (Departmental)

Select 3 semester hours from the appropriate list to be obtained from the department 3

Urban Studies Minor

Required Courses

EUGS 206	Introduction to American Urban Studies	3
EUGS 462	People and Cities: Comparative Urban Studies	3
EUGS 463	Internship	12
EUGS 464	Senior Seminar in Urban Studies	3

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Geoscience majors qualify for the New Jersey Earth Science Teaching Certificate.

Second Teaching Field in Earth Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Geoscience Honors

- Geoscience Major
- Overall Grade Point Average 3.50
- Geoscience Grade Point Average 3.50
- Additional Courses
 - GEOS 491 Literature Research in Geoscience
 - GEOS 492 Laboratory Research in Geoscience
- Minimum of 40 Geoscience credits completed

Courses of Instruction

ENVR 109	THE HUMAN ENVIRONMENT	3.0
----------	-----------------------	-----

An interdisciplinary course which examines the human impact, as social groups and individuals, on the natural environment. It explores the relationships and interconnectedness between natural processes and social, economic, cultural, technological, and political culture. Critical environmental issues are discussed. Cross listed with Psychology, PSYC 109. Meets the Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Contemporary Issues.

ENVR 252	HYDROLOGY	3.0
----------	-----------	-----

Water, its availability, distribution and usefulness. Hydrologic cycle examined in detail. Interaction with man and his usage. Applications to models and systematic processes. Cross listed with Earth and Environmental Studies, GEOS 252.

Prerequisite: Special fee.

ENVR 410

ENVIRONMENTAL LAW

3.0

The study of the National Environmental Policy Act; the Environmental Impact Statement; the Clean Air Act; the Clean Water Act; Toxic Substances Control Act; Solid and Hazardous Waste; related environmental laws, i.e., OS&H Act; and litigation are analyzed. Aspects of environmental law, within which institutions and corporations must operate, are discussed. Cross listed with Earth and Environmental Studies, GEOS 410.

ENVR 452

GEOHYDROLOGY

3.0

The study of ground-water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, GEOS 452.

Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. Special fee.

ENVR 455

FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT

3.0

Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, GEOS 455.

Prerequisites: GEOS 112 or GEOS 107 or GEOS 125 or EUGS 100. Special fee.

ENVR 456

HYDROCLIMATOLOGY

3.0

Climatology emphasizing moisture as one of the fundamental factors in climatic analysis; processes and problems of classification and variability. Examines energy and water balance.

Prerequisite: Special fee.

EUGS 100

PRINCIPLES OF GEOGRAPHY

3.0

The course studies the major elements of the natural environment and their interrelation. The principles and processes essential to the understanding of the natural environmental system and their significance are stressed. The elements studied include: atmosphere, weather and climate, continents, landforms, river systems, ocean currents and tides, soils, vegetation, animal and marine life. Meets the 1983 General Education Requirement (GER) - Natural Physical Science, Non-Laboratory Science Only.

EUGS 101

HUMAN GEOGRAPHY

3.0

Human Geography presents the interaction of culture and environment. Variations in environment and culture result in great differences how culture is imprinted upon the environment. The role of politics, language, religion, economics, urban systems, and technology reveal the relative intensity with which culture roots in nature. Emphasis is upon culture as a force that shapes the human use of the earth. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Social Science, Survey Course.

EUGS 102

WORLD GEOGRAPHY

3.0

World geography aims to present essential facts and concepts about the natural and human environment of major regions and countries. The course presents a picture of regions as developed through the interactions of natural, cultural, economic and political forces. Geopolitical, social and economic relationships between and among countries are studied. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Social Science, Topic Course.

EUGS 206

INTRODUCTION TO AMERICAN URBAN STUDIES

3.0

An interdisciplinary introduction to the development of American cities and their suburbs, with an emphasis on current patterns of urbanism and urbanization. The growth and evolution of metropolitan systems, urban-suburban ecology, and planning responses to critical metropolitan issues. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement.

- EUGS 207**
GEOGRAPHY OF EAST AND SOUTHEAST ASIA 3.0
 Regional analysis of East Asia (China and Japan) and Southeast Asia (Indonesia); (1) physical environment; (2) human landscape and their cultural heritages; (3) contemporary issues including economic development, political configurations, and environmental problems. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives.
- EUGS 208**
LAND AND LIFE IN LATIN AMERICA 3.0
Land and Life in Latin America is a regional survey course that explores and explains the physical-human interface and the constantly changing environmental societal needs. The course focuses on the functional processes that mold contemporary states and regional realignments. Emphasis is upon environmental conservation, demographic transitions, the role of culture and politics to foster a viable ecumene. Meets Gen Ed 2000 Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
- EUGS 213**
URBAN GEOGRAPHY 3.0
 Principles of location, interaction in the socioeconomic spheres, and the increasing importance of sustainable environmental management are dominant themes. Close attention to socio-spatial conditions, especially the housing sector, are addressed, as well as the suburbanization process and the urban sprawl challenge to a viable long-term urban system. Assignments are structured to introduce students to professional presentations of data, both maps and graphics, and written analysis. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- EUGS 234**
TRANSPORTATION 3.0
 Transportation is the study of spatial interaction of economic factors and societal functioning. Transportation flows are analyzed in the context of technological change, degree of accessibility, different transport cost surfaces, and transportation as it relates to land use planning.
- EUGS 270**
GEOGRAPHIC INFORMATION SYSTEMS I: DIGITAL MAPPING 3.0
 Introduces the basic principles of Geographic Information Systems (GIS) with focus on digital mapping and cartographic science, including graphic design, spatial data portrayal and inquiry, map overlays, and applications.
Prerequisite or corequisite: CMPT 109 or CMPT 183.
- EUGS 300**
WORLD RESOURCES AND INDUSTRIES 3.0
 Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Economics and Finance, ECON 300.
- EUGS 309**
RESEARCH METHODS 3.0
 The course introduces a widely used statistical package to analyze data. The application and interpretation of results of frequently used statistical techniques remains the primary focus. Survey research techniques are stressed. All the steps in the completion of a research project are emphasized.
- EUGS 312**
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
 The slow pace of settlement of the Eastern Seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1800. Cross listed with History, HIST 312.
- EUGS 331**
URBANIZATION AND ENVIRONMENT 3.0
 Examines interaction between man and the physical urban environment. Studies dynamic and physical processes as related to air, water and noise pollution, and hydrologic and geologic hazards.
- EUGS 352**
FLUVIAL GEOGRAPHY 3.0
 Detailed study of streams and rivers emphasizing processes causing variations of size and shape; the morphology of streams and stream channels; processes, quantitative techniques. Cross listed with Earth and Environmental Studies, GEOS 352.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- EUGS 408**
GEOPOLITICS 3.0
 Main theories of the field and their application to selected political entities, current problem zones and the spatial interaction of nations.
- EUGS 412**
GEOGRAPHY OF SUB-SAHARA AFRICA 3.0
 Topical and regional study of African soils, vegetation, climate, physiography, mineral resources and other aspects of the physical environment in the light of man's habitation of the continent. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.
- EUGS 413**
GEOGRAPHY OF THE MIDDLE EAST 3.0
 Topical study of area extending from Morocco to Iran: arid land agriculture, nomadism, land tenure systems, settlement patterns, problems of industrial development, and socio-economic and military implications of region's oil wealth. Includes Arab culture and Islamic influences on urban and rural landscapes. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.
- EUGS 426**
INDEPENDENT STUDY IN GEOGRAPHY 1.0-4.0
 Preparation of a research paper or project to be presented to members of the staff.
Prerequisites: Junior and senior majors only; departmental approval.
- EUGS 427**
PRO-SEMINAR IN GEOGRAPHY 3.0
 Problem-oriented seminar. Specific topics in urban, environmental studies or geography. Content changes according to the needs of the instructor.
- EUGS 460**
URBAN PLANNING 3.0
 The course focuses on the principles, processes, and practices of urban planning. The formulation of policies and the management roles of the planning agencies are emphasized.
- EUGS 462**
PEOPLE AND CITIES: COMPARATIVE URBAN STUDIES 3.0
 Introduction and cross-cultural investigation of the processes of urbanism and urbanization: formation, structure and functioning of cities throughout the world. Cross listed with Anthropology, ANTH 462.
- EUGS 463**
INTERNSHIP 3.0-12.0
 A full semester internship in an urban or environmental agency. Students will be expected to carry out agency assignments, observe and participate in decision making processes and engage in middle management activities.
Prerequisite: Departmental approval and at least 24 semester hours in the major.
- EUGS 464**
SENIOR SEMINAR IN URBAN STUDY (URBAN STUDIES INTERNSHIP) 3.0
 A seminar to be taken in conjunction with the urban studies semester internship, and designed as a synthesis of the various approaches in urban studies which the student has acquired in previous urban-related courses. Each semester the seminar focuses upon a specific in-the-field research project, and an analysis and evaluation of the student's internship experience.
Prerequisite: Departmental approval.
- EUGS 465**
HONORS RESEARCH 3.0
 Provides original research experience to superior undergraduates.
Prerequisite: Departmental approval.

- EUGS 466**
SENIOR SEMINAR GEOGRAPHY 3.0
 The course provides students with the tools and experience to develop and complete a geographic research project from start to finish. Students will be introduced to issues associated with becoming a professional geographer. Students will produce a senior thesis.
Prerequisite: Senior standing.
- EUGS 470**
GEOGRAPHIC INFORMATION SYSTEMS (G.I.S.) 3.0
 This course deals with fundamental principles and applications of G.I.S. Various ways in which G.I.S. can be used in planning and management analysis and research will be discussed. Students will learn the issues which need to be considered when planning and implementing G.I.S. One or two widely used software packages will be employed as a tool to study G.I.S. applications. Cross listed with Earth and Environmental Studies, GEOS 470.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 107**
PLANET EARTH 4.0
 An introduction to the physical characteristics of the planet Earth. The focus is on processes and interactions of the four components of the earth system: atmosphere, hydrosphere, lithosphere and biosphere. An understanding of the human impact on Earth systems is also developed and maintained in perspective. Satellite information, aerial photography, maps, charts and other Geographic Information Systems technologies are used to study planet Earth in this course. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.
- GEOS 110**
NATURAL DISASTERS 3.0
 The study of natural disasters such as volcanic activity, earthquakes and hurricanes: the causes, effects and means of predicting, preventing and minimizing the effects of disasters will be discussed. The relationships between man and his sometimes hostile habitat will be included. Not open to Geoscience majors. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-Laboratory Science Only.
Prerequisite: Not open to Geoscience majors.
- GEOS 112**
PHYSICAL GEOLOGY 4.0
 Materials of the Earth; landforms and structures; the processes and agents responsible for their formation and modification. Modern tectonic concepts. Topographic and geologic maps. Required field trips. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Not open to students who have had Principles of Geology. Special fee.
- GEOS 114**
HISTORICAL GEOLOGY 4.0
 Geological history of the earth; the evolution of North America in terms of the changing geography, climate, and plant and animal life as interpreted from the rock and fossil record. Required field trips. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.
- GEOS 125**
EARTH AND THE ENVIRONMENT 4.0
 The study of the natural processes of the earth and the effects of human activities on the environment. Earth materials, processes and systems, and the engineering properties of natural materials will be discussed, as well as pollution of soil, water and air. Not open to those who have had Planet Earth, Principles of Geology or Physical Geology. Meets the Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Sciences, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.
- GEOS 162**
GENERAL OCEANOGRAPHY 3.0
 A general study of the oceans and methods of modern oceanography including the physical, chemical, geological, and biological aspects of the oceans and their interrelationships. This course is designed for non-science majors. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-Laboratory Science Only.
- GEOS 252**
HYDROLOGY 3.0
 Water, its availability, distribution and usefulness. Hydrologic cycle examined in detail. Interaction with man and his usage. Application to models and systematic processes. Cross listed with Earth and Environmental Studies, ENVR 252.
Prerequisite: Special fee.
- GEOS 254**
GEOMORPHOLOGY AND CLIMATOLOGY OF NORTH AMERICA 3.0
 Major controls of climate and the landforms of North America are analyzed in order to gain an understanding of how the continent compares and is related to the rest of the world. The basis and distinct characteristics of the subdivisions of North America are examined in order to bring out contrasts and unique features within the continent.
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 257**
UNDERSTANDING WEATHER AND CLIMATE 4.0
 Presents a basic understanding of the dynamic atmosphere, and explores the impacts that weather and climate have on humans and the biosphere. Basic physical laws of energy and motion are employed to explain temperature, precipitation, atmospheric circulation, storms, and how climates vary regionally. Connections are made toward management of weather hazards, air pollution, impacts on agriculture and economy, and environmental and social implications of climate change. Lectures are supplemented by current events discussions and hands-on exercised in laboratory sections. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-Laboratory Science Only.
- GEOS 310**
ECONOMIC GEOLOGY 3.0
 Geology and geography of non-metallic and metallic mineral resources and fuels. Problems associated with their occurrence and exploitation. Required field trips. Not given every year.
Prerequisites: GEOS 112 and GEOS 114.
- GEOS 352**
FLUVIAL GEOGRAPHY 3.0
 A detailed study of streams and rivers emphasizing processes causing variations in size and shape. The course analyses the morphology of stream channels. The course is quantitative and stresses processes. Cross listed with Earth and Environmental Studies, EUGS 352.
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 431**
INVERTEBRATE PALEOBIOLOGY 4.0
 Invertebrate fossils-their classification, morphology, evolution, stratigraphic distribution and paleoecology. Required field trips.
Prerequisite: GEOS 114. Special fee.
- GEOS 434**
STRATIGRAPHY 4.0
 Stratigraphic principles and their application. Case studies of selected regions. Local stratigraphy interpreted through field studies.
Prerequisite: GEOS 431. Special fee.
- GEOS 437**
SEDIMENTOLOGY 4.0
 Geological processes and agents which form, transport, deposit consolidate and alter sediments. Interpretation of the resultant sedimentary rocks. Laboratory work on the texture, mineralogy and mass properties of sedimentary particles. Required field trips. Not offered every year. (3 hours lecture, 2 hours laboratory.)
Prerequisite: GEOS 112. Special fee.

- GEOS 443
MINERALOGY 4.0
Crystallography, internal structure, origin, occurrence, and properties of minerals, laboratory study of common minerals. Required field trips.
Prerequisites: GEOS 112 and CHEM 120. Special fee.
- GEOS 444
PETROLOGY 4.0
Description, identification, classification, origin and occurrence of sedimentary, igneous and metamorphic rocks. Laboratory study of the common rocks. Required field trips.
Prerequisite: GEOS 443. Special fee.
- GEOS 450
PRINCIPLES OF SOIL SCIENCE 3.0
Origin, composition, properties and classification of soils. Additional topics include water in soils and human impact on soil resources. Laboratory covers the measurement of soil properties and principles of soil mapping and soil resource assessment. Field trips are required.
Prerequisites: GEOS 112 and CHEM 120. Special fee.
- GEOS 452
GEOHYDROLOGY 3.0
The study of ground-water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, ENVR 452.
Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. Special fee.
- GEOS 454
ENVIRONMENTAL GEOCHEMISTRY 3.0
Chemical principles and methods applied to the study of interactions among lithosphere, hydrosphere and atmosphere. Topics such as water pollution, waste disposal and human impact on global geochemical cycles will be discussed. Laboratory will stress the measurement of chemical properties related to water and soil quality as well as computer modeling of chemical transport in porous media.
Prerequisites: GEOS 112 and CHEM 121. Special fee.
- GEOS 455
FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT 3.0
Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, ENVR 455.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 470
GEOGRAPHIC INFORMATION SYSTEMS (G.I.S.) 3.0
This course deals with fundamental principles and applications of G.I.S. Various ways in which G.I.S. can be used in planning and management analysis and research will be discussed. Students will learn the issues which need to be considered when planning and implementing G.I.S. One or two widely used software packages will be employed as a tool to study G.I.S. applications. Cross listed with Earth and Environmental Studies, EUGS 470.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 472
STRUCTURAL GEOLOGY 3.0
Recognition and interpretation of primary and tectonic rock structures. Laboratory work emphasizes the analysis of faults, joints, folds and foliation. Required field trips.
Prerequisites: GEOS 112 and GEOS 114 and MATH 116 or 122. Special fee.
- GEOS 480
FIELD STUDIES IN GEOSCIENCE 4.0
Use of geologic, meteorologic and oceanographic instruments in field investigations, interpretation of observations and writing a field report. Required field trips.
Prerequisite: GEOS 434 or GEOS 444 or GEOS 472. Special fee.
- GEOS 490
SEMINAR IN GEOSCIENCE 2.0
Student field, laboratory and library investigation of a problem in the area of his/her interest in geoscience; results presented in oral and written form. Class discussion of the individual papers and of other pertinent topics of current interest in geoscience. Not offered every year.
Prerequisite: Departmental approval.
- GEOS 491
LITERATURE RESEARCH IN GEOSCIENCE 2.0
Each participating student conducts an in-depth library research of a specific problem of his/her interest in geoscience under the guidance of a sponsoring faculty member. The results of the study will be presented in a written research-style report.
Prerequisite: Departmental approval.
- GEOS 492
LABORATORY RESEARCH IN GEOSCIENCE 1.0-4.0
Each student conducts individual research on a specific problem in geoscience under the guidance of a sponsoring faculty member. The research may be based on earlier field or literary investigations. The results of the study will be presented in a written research-style report.
Prerequisite: Departmental approval.
- GEOS 494
SELECTED TOPICS IN GEOSCIENCE 1.0-4.0
An in-depth study of a particular topic in geoscience, the specific subject matter of which is not offered regularly in an existing course.
Prerequisite: Departmental approval.
- GEOS 495
INDEPENDENT STUDY IN GEOSCIENCE 1.0-4.0
An opportunity for the qualified student to do library and/or laboratory investigation in a field of science of his/her choice under the guidance of a faculty member. The course is conducted exclusively by scheduled individual conferences and reports. (Offered on demand.)
Prerequisite: Majors only; departmental approval.
- PHMS 210
INTRODUCTION TO MARINE SCIENCES 4.0
A general study of the marine sciences, including origin and evolution of the oceans, physical and chemical properties of seawater, marine life, oceanic circulation, atmospheric-ocean exchange and other processes that take place in the oceans. This course also deals with marine resources and human interaction with the marine environment. Field trips required. May be taught off-campus at the New Jersey Marine Sciences Consortium in the summer. Meets Gen Ed 2002-Natural/Physical Science Laboratory.
Prerequisite: Departmental approval. Not open to those who have taken GEOS 162 General Oceanography.
- PHMS 460
MARINE SCIENCE EDUCATION 3.0
Selected field experiences and laboratory methods utilized to develop resources from the marine environment to be used in teaching the various disciplines. Offered at the site of the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.
- PHMS 481
COASTAL MARINE GEOLOGY 4.0
A study of the geologic processes concerned with the supra-, inter-, and subtidal areas of the near shore environment. Field studies will emphasize the dynamics of erosion and deposition as well as general sedimentation associated with modification of barrier beaches and other land forms of the New Jersey shoreline. Offered at the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.
- PHMS 490
FIELD METHODS IN THE MARINE SCIENCES 4.0
The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture, 4 hours laboratory.)
Prerequisite: Departmental approval.
- PHMS 498
INDEPENDENT STUDY IN THE MARINE SCIENCES 1.0-4.0
Individual research projects will be selected under the guidance of a professor associated with the consortium. Open only to those advanced undergraduate students who have indicated a potential for original thinking. Offered at the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.



ECONOMICS AND FINANCE

SCHOOL OF BUSINESS

Chairperson: Sang-Hoon Kim

Economics is the study of how market and non-market institutions can best allocate relatively scarce resources to promote individual and social welfare. As such, it offers well-defined mechanisms for analyzing a wide array of theoretical and policy-oriented issues. Finance builds on the foundations of economics to provide students with a professional background in both corporate finance and investments. Together, the curriculum in economics and finance is designed to contribute to a broad-based liberal arts education by expanding a student's perception of the economic and financial decisions that individuals and societies must make under widely varying conditions. Strong emphasis is given to the development of skills in analytical reasoning, quantitative fluency, written and oral communications, as well as creative excellence.

The Department currently offers four undergraduate programs. The undergraduate programs are: the B.A. in Economics, the B.A. in Economics with a Concentration in Business, the B.S. in Business Administration with a Concentration in Economics, and the B.S. in Business Administration with a Concentration in Finance. In addition to preparing students for direct career experience in business, government and the professions, the program provides excellent preparation for graduate work in Economics, Finance, and in related disciplines. Departmental faculty also support the Concentration in Economics and the Concentration in Finance in Montclair State's M.B.A. program, as well as the Concentration in Economics in Montclair State's M.A. in Social Sciences. Given the active participation of faculty in teaching, research, and community service, the undergraduate programs in Economics and Finance benefit from the skills of highly experienced professionals.

Economics Major

Students who wish to major in Economics should consult with the chairperson of the department for admissions standards applicable to first-year, internal and external transfer students. Copies of the program guide and worksheet are available through the Department of Economics and Finance.

Required Courses:

	Semester Hours
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
ECON 203 Economic Statistics	3
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 420 Econometrics	3
ECON 438 Advanced Seminar in Economics	3

Collateral Courses:

	Semester Hours
MATH 113 Mathematics for Business I: Linear Algebra	3
MATH 114 Mathematics for Business II: Calculus	3
BEOS 320 Administrative Business Communications	3

Elective Courses

Select 15 semester hours from the appropriate list to be obtained from the department

Graduation in Economics requires that a student complete a total of 36 credits in the major. Additional information on first year, transfer, and readmission standards, along with course updates, scheduling sequences, departmental honors, and graduation requirements are found in the Undergraduate Program Guide, available through the department.

Concentration in Business Economics

In addition to the B.A. in Economics, the Department also offers a B.A. in Economics with a 48 semester hour concentration in Business Economics. The program is based on 9 hours of prerequisite courses, 24 hours of required core courses, and 15 hours of electives in Business and Economics.

Prerequisite Courses:

	Semester Hours
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
ECON 203 Economic Statistics	3

Required Courses:

	Semester Hours
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 420 Econometrics	3
ECON 438 Advanced Seminar in Economics	3
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
FINC 321 Fundamentals of Finance	3
MGMT 231 Management Processes	3

Collateral Courses:

	Semester Hours
MATH 113 Mathematics for Business I: Linear Algebra	3
MATH 114 Mathematics for Business II: Calculus	3
BEOS 320 Administrative Business Communications	3

Elective Courses

Students must select 6 semester hours from the following:

ECON 205 Collective Bargaining: Theory and Practice	3
ECON 301 Money and Banking	3
ECON 304 Public Policies Toward Business	3
ECON 308 Public Finance	3
ECON 310 Urban and Regional Economics	3
ECON 311 Labor Economics	3
ECON 314 Development of Economic Thought	3
ECON 401 Financial Institutions	3
ECON 402 International Economics	3
ECON 403 Comparative Economic Systems	3
ECON 407 Economics of Industrial Organization	3
ECON 418 Economics of Human Resources	3
ECON 419 Economics of Energy and Environmental Policy	3

Students must select a minimum of 9 semester hours from the following:

ACCT 301 Intermediate Accounting I	3
ACCT 307 Cost Accounting and Control I	3
INFO 371 Management Information Systems	3
FINC 322 Capital Budgeting	3
FINC 326 Investment Principles	3
FINC 327 International Financial Management	3
FINC 430 Futures/Options and Other Derivatives	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Economics Minor

The department maintains a minor program for all majors at Montclair State. It involves the completion of 18 semester hours from courses in Economics, 12 credits of which are based on ECON 101 Principles of Economics Macro, ECON 102 Principles of Economics Micro; ECON 207 Intermediate Microeconomic Analysis; and ECON 208 Intermediate Macroeconomic Analysis, with 6 credits at the 300 and 400 level to be selected from a program list available through the department.

Business Administration Major

Students majoring in Business Administration must complete 33 semester hours of core courses, and 18 semester hours of collateral courses. Students should consult with the Academic Advisor of the School of Business Administration regarding admission standards for first-year, internal and external transfer students.

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	3
OR	
INFO 271 Managerial Statistics	3
FINC 321 Fundamentals of Finance	3
MKTG 240 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MATH 113 Mathematics for Business I: Linear Algebra	3
MATH 114 Mathematics for Business II: Calculus	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

B.S. in Business Administration: Concentration in Economics

Required Courses:

	Semester Hours
ECON 206 Managerial Economics, or	
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 301 Money and Banking	3
Select 2 courses from departmental offerings (ECON)	6

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

B.S. in Business Administration: Concentration in Finance

Required Courses

	Semester Hours
FINC 322 Capital Budgeting Management	3
FINC 326 Investment Principles and Portfolio Theory	3
FINC 327 International Financial Management	3
FINC 490 Seminar in Finance	3
Select one course from departmental offerings (FINC)	3

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Courses of Instruction

ECON 100

INTRODUCTION TO ECONOMICS

3.0

Major objectives and features of the American economy, including operations of a market economy, structure and function of business, money and banking, government and business relations. For non-majors only. May not be taken after ECON 101 and/or ECON 102 have been taken. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

Prerequisites: Not open to Economics majors; may not be taken after ECON 101 and/or ECON 102.

ECON 101

PRINCIPLES OF ECONOMICS: MACRO

3.0

A study of the American economy, analytically and institutionally; the achievement of an optimal allocation of resources, price stability, full employment level of national income and long term growth. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

ECON 102

PRINCIPLES OF ECONOMICS: MICRO

3.0

Organization and operation of the American economy for the production and distribution of goods and services. Pricing of products and factors of production in market situations varying from competition to monopoly. Resource allocation, price determination and behavior of the firm in the determination of quantity of output and the hiring of factors of production. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

ECON 203

ECONOMIC STATISTICS

3.0

Basic elements of economic statistics including frequency distribution, sampling, index numbers, statistical inference, regression and correlation techniques.

Prerequisites: ECON 101 and 102 and MATH 113 and 114.

ECON 206

MANAGERIAL ECONOMICS

3.0

The application of economic theory in the decision-making processes of the firm; utilization of economic analysis in the study of demand, costs, pricing and capital investment decisions.

Prerequisites: ECON 203; or ECON 101 and ECON 102 and FINC 270; or ECON 101 and ECON 102 and INFO 271.

ECON 207

INTERMEDIATE MICROECONOMIC ANALYSIS

3.0

The basic determinants of market demand. Input-output relationships in determining cost structure. Determination of prices received by resource owners in the productive process. Theory of the firm and pricing in different types of market organization with varying degrees of competitive conditions.

Prerequisites: ECON 101 and ECON 102.

ECON 208

INTERMEDIATE MACROECONOMIC ANALYSIS

3.0

The factors comprising aggregate demand and how they interact to determine the level of employment, output and the price level, the role of monetary and fiscal policy.

Prerequisites: ECON 101 and ECON 102.

ECON 215

THE ECONOMICS OF SOCIAL PROBLEMS

3.0

The extent, causes and consequences of poverty, inequality and insecurity. An appraisal of reforms, social insurance, medical care, public housing, rural development. The economics of discrimination and educational opportunity. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

ECON 250

SELECTED TOPICS IN ECONOMICS

3.0

An in-depth study of a particular theoretical or applied area of economics.

ECON 300		
WORLD RESOURCES AND INDUSTRIES	3.0	
Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Earth and Environmental Studies, EUGS 300.		
ECON 301		
MONEY AND BANKING	3.0	
An analysis of the economic role of money and credit in our economy with primary emphasis on federal reserve and treasury operations.		
<i>Prerequisites: ECON 101 and ECON 102.</i>		
ECON 303		
ECONOMIC GROWTH AND DEVELOPMENT	3.0	
Problems of hastening the growth of countries with low incomes per person; the requisites for the economic development, the obstacles to such development, the strategy and tactics of development and aid for development. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.		
<i>Prerequisite: ECON 207.</i>		
ECON 308		
PUBLIC FINANCE	3.0	
The impact of governmental expenditures, taxes and debt operation on resource allocation, income distribution, economic stabilization and economic growth.		
<i>Prerequisite: ECON 207 or ECON 206.</i>		
ECON 311		
LABOR ECONOMICS	3.0	
The determinants of wages in the organized and unorganized markets; a historical survey and analysis of the principal institutions and central processes in the labor and manpower areas, an examination of current issues in labor relations.		
<i>Prerequisite: ECON 207 or ECON 206.</i>		
ECON 312		
BUSINESS CYCLES AND FORECASTING	3.0	
Fluctuations in economic activity which characterize modern industrial economies. Definitions, descriptions and statistical measurement of business cycles are presented along with theories describing the causes of the cycles. Practical application of forecasting techniques to predict the course of future economic and business activity.		
<i>Prerequisites: ECON 203, or FINQ 270 or INFO 271 and ECON 208.</i>		
ECON 401		
FINANCIAL INSTITUTIONS	3.0	
The structure and operation of financial institutions, their role in the economy and in the money and capital markets. The techniques and objectives of monetary policy and its effect on financial institutions.		
<i>Prerequisite: ECON 208 or ECON 301.</i>		
ECON 402		
INTERNATIONAL ECONOMICS	3.0	
The how, why and consequences of the movement of goods, services and factors of production in international exchange and an examination of the financial arrangements used to facilitate trade.		
<i>Prerequisites: ECON 101 and ECON 102.</i>		
ECON 403		
COMPARATIVE ECONOMIC SYSTEMS	3.0	
The economic systems of planned and mixed economies with special emphasis on the Soviet Union, China, the United Kingdom, the Scandinavian countries and the United States. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.		
<i>Prerequisites: ECON 101 and ECON 102.</i>		
ECON 405		
ECONOMIC DEVELOPMENT OF SUB-SAHARAN AFRICA	3.0	
An examination of economic policies in Africa as they affect prospects for growth and development of the region. Students will engage in a variety of research projects that combine theory with analytical tools to derive policy-relevant findings. Meets the Multicultural Awareness Requirement.		
<i>Prerequisites: ECON 203 and ECON 207.</i>		
ECON 420		
ECONOMETRICS	3.0	
An introduction to the techniques of applied economic (social science) research. Examination of the tools necessary for applied economic research and methods for dealing with certain problems inherent in economic data. The primary emphasis will be on the application of the techniques to economic data.		
<i>Prerequisites: ECON 101 and ECON 102 and ECON 203 or FINQ 270 or INFO 271.</i>		
ECON 438		
ADVANCED SEMINAR IN ECONOMICS	3.0	
A seminar designed to integrate economic theory, quantitative tools, and institutional knowledge in a series of applied issues. Students are required to undertake a number of specific oral and written projects that describe their understanding of key elements within the discipline.		
<i>Prerequisites: ECON 207 and ECON 208 and ECON 420; seniors only; Economic majors only.</i>		
ECON 497		
ECONOMICS INDEPENDENT STUDY	3.0	
Open to students who wish to undertake reading and/or research in specialized areas of economics.		
<i>Prerequisite: Departmental approval.</i>		
FINC 311		
FUNDAMENTALS OF FINANCE	3.0	
Financial statements and financial forecasting. Introduction to risk, return, and value. Introduction to working capital management, capital budgeting, optimum capital structure, and dividend policy.		
<i>Prerequisites: FINQ 270 or INFO 271; and ECON 101; and ACCT 201; and major within the School of Business.</i>		
FINC 322		
CAPITAL BUDGETING MANAGEMENT	3.0	
Analysis of various investment criteria, especially net present value and internal rate of return. Risk in capital budgeting, capital budgets and performance evaluation, stressing the distinction between accounting and financial criteria. Application of concepts and techniques to such issues as leasing, mergers and acquisitions.		
<i>Prerequisites: FINC 321; major within the School of Business.</i>		
FINC 326		
INVESTMENT PRINCIPLES AND PORTFOLIO THEORY	3.0	
A review of risk and analysis and methods of valuing, fixed-income and equity instruments, the efficient frontier, portfolio theory, the capital asset pricing model and an introduction to option and futures market.		
<i>Prerequisites: FINC 321; major within the School of Business.</i>		
FINC 327		
INTERNATIONAL FINANCIAL MANAGEMENT	3.0	
Introduction to multinational business finance. Foreign exchange markets and exchange rate forecasting. Balance of payment accounts, measures of surplus or deficit and their relevance to financial planning. International financial markets and international banking. Import and export financing. Positioning of funds.		
<i>Prerequisites: FINC 321; major within the School of Business.</i>		
FINC 423		
ADVANCED CORPORATE FINANCE	3.0	
Interaction of investment and financing decisions. Optimal capital structure and dividend policy: The Miller-Modigliani propositions. Calls and puts. Option valuation models. Valuation of risky debt and term structure of interest rates. Warrants and convertibles.		
<i>Prerequisites: FINC 322; major within the School of Business.</i>		
FINC 425		
WORKING CAPITAL MANAGEMENT	3.0	
Detailed treatment of topics such as components of working capital; cash budgeting; short-term financial planning. Credit management; cash and inventory management; short-term lending and borrowing.		
<i>Prerequisite: FINC 321; major within the School of Business.</i>		

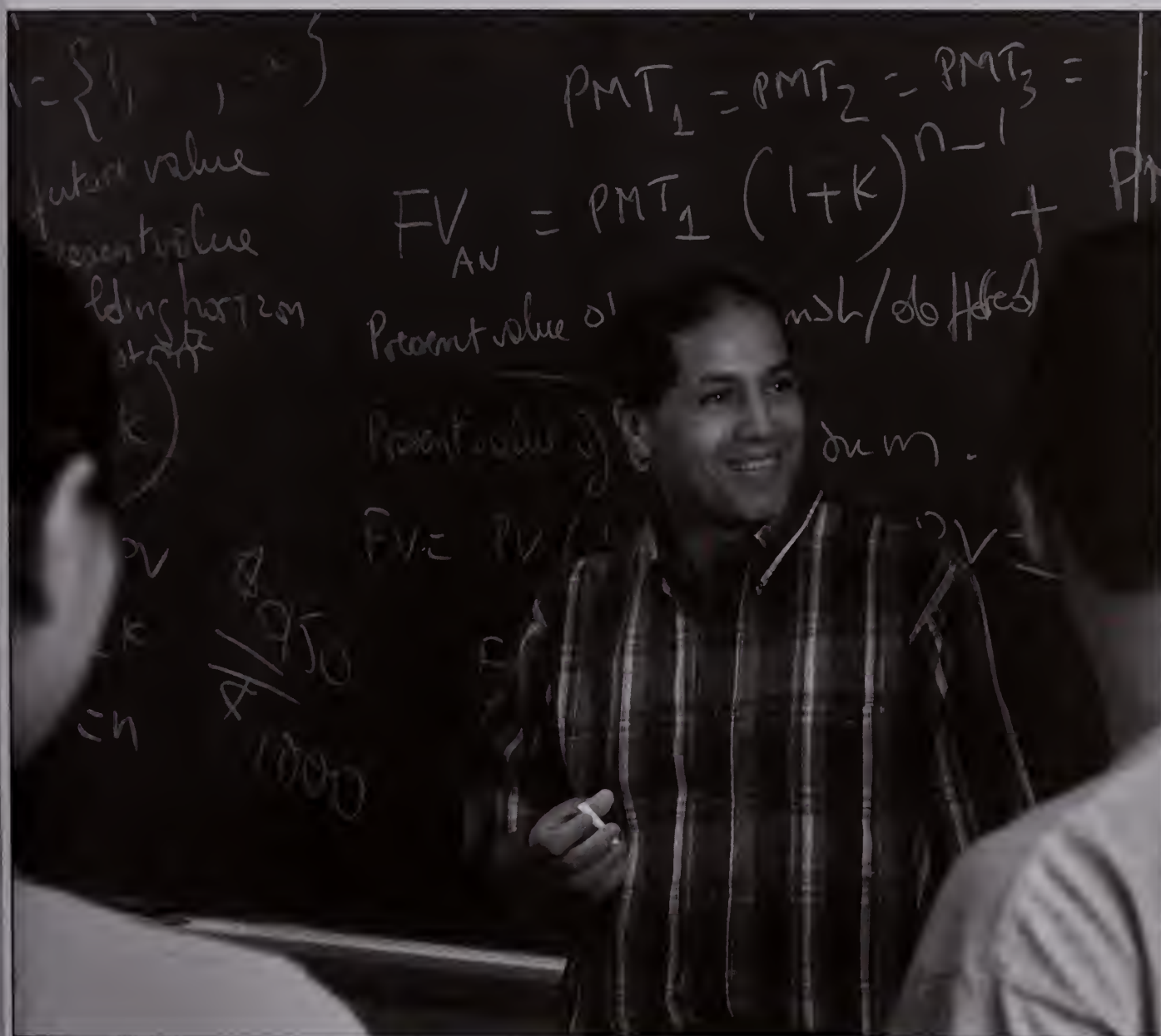
FINC 429
REAL ESTATE INVESTMENT 3.0
 Covers mortgage financing, ownership forms, tax factors, inflation, leverage, risk/return, cash flow projection, holding period, and disposition strategy. Examines the rent or house-buying decision; land, apartment building, office building, and shopping center investments; and the current investment climate.
Prerequisite: FINC 321.

FINC 430
FUTURES/OPTIONS, AND OTHER DERIVATIVES 3.0
 This course introduces students to derivative instruments including options, futures and swaps. Definitions, concepts, and strategies are explained. Valuation methods are presented. This course also discusses different hedging strategies.
Prerequisites: FINC 326; major within the School of Business.

FINC 431
ADVANCED INTERNATIONAL FINANCIAL MANAGEMENT 3.0
 Measurement and management of foreign exchange exposure. Exchange and country risk. The Foreign Investment Decision, multi-national capital budgeting, cost of capital and financial structure.
Prerequisites: FINC 327; major within the School of Business.

FINC 490
SEMINAR IN FINANCE 3.0
 The seminar is the terminal course in the concentration. It has two principal objectives. It provides students with an integrated overview of the major subfields of the concentration - Investments, Corporate and International Finance and Financial Markets and Institutions. Second, students will choose a research topic in consultation with the instructor, make a classroom presentation, and write a formal paper on the topic.
Prerequisites: FINC 322, and 326, and 327; major within the School of Business.

FINC 491
CO-OP EDUCATION IN FINANCE 3.0-8.0
 This course is aimed at synthesizing theory and practice. Students will be provided an opportunity to have an exposure to one or two off-campus on-job-trainings in various aspects of quantitative methods of one, or more businesses. Full-time students may alternate between school and business where as part-time students may take course in parallel with school.
Prerequisites: Departmental approval.



EDUCATIONAL FOUNDATIONS

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Mark Weinstein

As a society evolves, so does its educational responsibilities. The department meets these changing needs by developing innovative programs through comparative study, and philosophical and sociological theory. In this way, it also services and improves existing programs. The department offers undergraduate and graduate courses for the preparation of public school educators while meeting the specialized demands that are beyond the limits of the public schools. All of the department's courses serve as a sound background for our graduate M.Ed. concentrations in Critical Thinking and Philosophy for Children.

Courses of Instruction

EDFD 220

PHILOSOPHICAL ORIENTATION TO EDUCATION 3.0

Western philosophical heritage as related to the issues and responsibilities of American education. Comparative analysis of past and current ideological movements that influence moral, social, and educational decisions of parents, political leaders, and professional educators. Meets Gen Ed 2002–Humanities, Philosophy/Religion. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

EDFD 264

GENDER ISSUES IN EDUCATION 3.0

Examines the nature of gender, gender identity, gender roles and gender discrimination, and the influence of these on classrooms, schools and educational policy. Meets the Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Contemporary Issues. Meets the Multicultural Awareness Requirement.

EDFD 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Curriculum and Teaching, CURR 409 and Literacy and Educational Media, READ 409.

Prerequisites: CURR 200 and admission to the Teacher Education Program.

EDFD 440

SOCIOLOGICAL FOUNDATIONS OF EDUCATION 3.0

The study of education as a major social institution. Social and cultural influences on teachers and learners and factors which affect educational structures, processes, and outcomes. Considers social and cultural influences on teachers and learners; the relationship of culture, role, and personality in the classroom; and the school as a changing system. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.

EDFD 477

ETHNIC/RACIAL GROUPS AND THE SCHOOLS IN AMERICA 3.0

A multidisciplinary study of the meaning and significance of cultural pluralism in the United States. Analyzes problems associated with cultural pluralism and the historical and contemporary sources of those problems, the role of the school in assimilation/aculturation and in affecting social and economic outcomes for various groups, and avenues to improved cross-cultural understanding through education. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

ELRS 410

ASSESSMENT OF YOUNG CHILDREN:

EVALUATION OF COGNITIVE PROGRESS 3.0

Principles and practices of assessing young children. Various individual and group, formal and informal evaluative instruments and techniques will be reviewed. Use of tests in understanding children's developmental patterns, in the diagnosis of learning difficulties, in the determination of readiness, and in the evaluation of remedial and other special programs will be studied. Course content and requirements will be geared to individual needs of students.

ENGLISH

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Larry Schwartz

The English Department offers instruction in interpreting and creating informative and imaginative texts, in the description and historical understanding of the English and American languages, and in the cultural understanding of world literatures written in English.

Students may major or minor in English, minor in journalism or film, concentrate in creative writing, or obtain a teaching certificate. The English Department participates in the Cooperative Education Program to offer students career-oriented work opportunities.

Students should note that ENWR 105 *College Writing I: Intellectual Prose* and ENWR 106 *College Writing II: Writing and Literary Study* are prerequisites for all other English courses with the exception of ENFL courses.

English Major

The English major consists of 34 semester hours of English courses including a required course, *The Pursuits of English* (4 semester hours) and 30 semester hours of English Department courses numbered 200 and above. Students must select courses that address two sets of guidelines. (Note that a single course may address more than one guideline.)

Guidelines, Part I. Address all three of the following areas as indicated:

Literature: At least four literature courses, including at least two courses that pay significant attention to literature prior to the 20th Century, one of which must deal with literature prior to 1800.

Writing: At least one writing intensive course, usually chosen from courses designated ENWR.

Genre Study: Significant attention to at least three of these four creative genres: fiction, poetry, drama or film (film genre courses only).

Guidelines, Part II. Address two of the following five areas as indicated:

Multinational Study: Significant attention to texts or films from at least one national literature or culture other than American or British.

Minority Writers: Significant study of several writers or film makers from one or more minority cultures of this country.

Women Writers: Significant study of women writers or film makers.

Gender Studies: Significant study of the development or expression of gender roles or identities in literary texts or films.

Class Issues: Significant attention to works that raise issues of social class.

Total number of semester hours 34

Considerations: Most of these guidelines can be satisfied either by an entire course or a portion of a course. Since instructors may teach the same course differently, and course content may vary from semester to semester, students should consult departmental website for information about guidelines. A student may not receive credit for the same course more than once, except for courses titled "Special Topics" or "Seminar." Students are encouraged to plan, with advice, flexible programs to meet their own interests and needs. Consult your advisor to develop an appropriate plan of study. Note: The following courses, offered by the Linguistics Department, may also be used toward the total 34 credits of the English major, although they might not satisfy any guidelines: LNGN 220 *Structure of American English*; LNGN 284 *History of the English Language*; LNGN 384 *The Grammars of English*.

Creative Writing Concentration

Required Courses

	Semester Hours
ENWR 200 Creative Writing: Fiction, Poetry, Drama	3
Any three of the following:	
ENWR 205 Creative Nonfiction	3
ENWR 310 Writing: Drama	3
ENWR 311 Writing: Fiction	3
ENWR 312 Writing: Poetry	3
ENWR 411 Advanced Writing: Fiction	3
ENWR 412 Advanced Writing: Poetry	3
ENWR 491 Seminar in Writing	3

English Minor

Required Course

	Semester Hours
ENGL 200 Pursuits of English	4

Electives (15 semester hours)

Fifteen credits of 200-level or above English electives chosen in consultation with a faculty advisor in the English department.

Journalism Minor

Required Courses

	Semester Hours
ENWR 210 News Reporting	3
ENWR 216 History of Journalism in America	3
ENWR 313 Editing	3

Electives (Three of the following)

ENWR 214 Feature Writing	3
ENWR 300 Meet the Press	3
ENWR 314 Advanced Editing	3
ENWR 315 Magazine Journalism	3
ENWR 316 Reporting of Public Affairs	3
ENWR 416 Interpretive Journalism	3

Special Programs

English Cooperative Education

The English Cooperative Education program places students with strong writing and analytical skills in supervised employment outside the classroom. During the co-op semester the student is advised by a faculty coordinator and the Cooperative Education office and completes the terms of a learning contract.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Prerequisites for admission to the teacher preparation program in English and current requirements in the discipline for both a first and a second teaching field certificate can be obtained in the English Department.

Courses of Instruction

ENFL 208

INTRODUCTION TO THE FILM 3.0

The history and aesthetics of film from its beginning to the present, with special attention to the evolution of technique, influential art movements and national cinemas, pivotal directors and films. Meets the 1983 General Education Requirement (GER) - Fine and Performing Arts: Art Appreciation.

ENFL 250

MAJOR FILM DIRECTORS 3.0

Focusing on the life and work of influential filmmakers, the course addresses such issues as auteur criticism, the nature of successful collaborations (scriptwriting teams, director/cinematographer) and performance theory.

ENFL 255

WORLD FILM 3.0

Films from the major film producing countries including the United States, France, Germany, Italy, Sweden, Russia, England, India and Japan. Within that framework, special topics will be defined: A specific period, a particular theme or problem, comparison/contrast of several national cinemas.

ENFL 260

MAJOR FILM GENRES 3.0

Examples from the major film genres, such as the Western, the crime film, the musical, the horror film, and film noir, with special emphasis on American film and principles of genre criticism.

ENFL 310

SCREENWRITING I 3.0

The art and craft of writing for the screen will be both studied and practiced. After studying the fundamentals of effective cinematic story construction and dialogue writing, students will be required to write a half hour film script.

Prerequisites: ENFL 208 and ARFM 200.

ENFL 350

THREE DIRECTORS 3.0

A comparative study of three major film directors. The focus - using an auteurist derived methodology - will be to investigate a common problem or challenge confronted by each of the three directors.

ENFL 356

THE CONTEMPORARY FILM 3.0

Beginning with American film noir and European films which emerged after World War II, the course traces the major films, directors, critical theories and other influences which make up the contemporary film and define a specifically modernist sensibility.

ENFL 357

AMERICAN FILM TO 1945 3.0

An investigation of the foundations and development of the classical Hollywood style focusing on genres and directors of significance.

ENFL 358

AMERICAN FILM 1945 TO THE PRESENT 3.0

An investigation of filmmaking in the United States following World War II, focusing on the genres, directors and aesthetic movements of significance.

ENFL 360

FILM COMEDY 3.0

Film comedies from all periods in relation to comic theory and its application with particular emphasis on American films of the 20's and 30's.

ENFL 490

SPECIAL TOPICS IN FILM STUDIES 3.0

A non-survey course to address specific issues in film studies. The course may be taken more than once if different topics are taken.

Prerequisite: Departmental approval.

ENFL 496

SEMINAR IN FILM 3.0

An advanced course devoted to the intensive study of a specialized topic in cinema studies. Topics will vary.

Prerequisite: Departmental approval.

ENGL 200

THE PURSUITS OF ENGLISH 4.0

An inquiry into what constitutes contemporary literary study: its subject matter and its underlying goals and methods. Students study literary and cinematic texts of various genres, as well as literary criticism and theory; inquire into the nature of authorship and of texts; examine and expand their ways of reading, interpreting, and writing about texts; trace the relation of literary criticism to theory; consider the relation of literary study to issues of power; and develop independent habits of thought, research, discussion, and analytic writing that are informed by literary theory and criticism. It is recommended that *The Pursuits of English* be taken before the student accumulates 12 English major credits. Meets the University writing requirement.

Prerequisite: ENWR 106 or HONP 101; English majors only.

ENGL 226

LITERATURE OF THE AMERICAN RENAISSANCE 3.0

Moby Dick and *The Scarlet Letter* among other major works by masters of the American Romantic period - Emerson, Thoreau, Hawthorne, Melville, Whitman and Poe are examined.

Prerequisite: ENWR 106 or HONP 101.

ENGL 234

AMERICAN DRAMA 3.0

American drama chosen for excellence or representative of a significant era or movement in the theatre from the early 18th century imitative works through melodrama to the serious works of the 20th century. Centered on major American playwrights and their work. The course also examines the backgrounds of our modern stage, including readings in minor/historical works.

Prerequisite: ENWR 106 or HONP 101.

ENGL 238

BLACK WRITERS IN THE UNITED STATES: A SURVEY 3.0

Black writers in the United States from colonial times to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

Prerequisite: ENWR 106 or HONP 101.

ENGL 239

SOCIAL PROTEST LITERATURE IN AMERICA 3.0

Novels, dramas and poetry of protest against social injustices in the United States since World War I.

Prerequisite: ENWR 106 or HONP 101.

ENGL 240

ENGLISH LITERATURE I: BEGINNINGS TO 1660 3.0

English literature from its beginnings to 1660 examined through representative works of major and minor authors.

Prerequisite: ENWR 106 or HONP 101.

ENGL 241

ENGLISH LITERATURE II: 1660 TO PRESENT 3.0

English literature from the Restoration to the present. May be taken independently of English Literature I.

Prerequisite: ENWR 106 or HONP 101.

ENGL 247

THE AUGUSTAN AGE 3.0

Important works of English literature 1660-1745, including poetry, criticism, essays, fiction and drama, examined within the literary, cultural, social and intellectual contexts of the age.

Prerequisite: ENWR 106 or HONP 101.

ENGL 250

SPECIAL TOPICS IN ENGLISH OR AMERICAN LITERATURE 3.0

A survey or genre course on a topic not included in the regular departmental offerings. May be used by English majors as a departmental elective.

Prerequisite: ENWR 106 or HONP 101.

ENGL 254

ENGLISH DRAMA: BEGINNINGS TO 1642 3.0

English drama from its Medieval origins to the closing of the theaters in 1642; from miracles, mysteries and moralities through the development of Tudor and Stuart drama. Shakespeare excluded.

Prerequisite: ENWR 106 or HONP 101.

- ENGL 256
ENGLISH NOVEL TO 1900 3.0
Form and theme of the English novel through the 18th and 19th centuries, evaluated by literary, social, moral and cultural criteria.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 260
ART OF POETRY 3.0
An introductory course in reading, interpreting, and evaluating poetry. Attention is paid to style, form, and poetic convention.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 262
ART OF FICTION 3.0
An introduction to form and techniques in fiction through close reading and discussion of representative texts.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 263
ART OF DRAMA 3.0
An introduction to dramatic literature and the ways in which man expresses himself and his community through drama as a blend of word and gesture.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 271
TEACHING WRITING IN GRADES 6-12 3.0
This course offers students an introduction to the theory and practice of teaching writing to middle and high school students. Students will be introduced to process writing through an intensive-writing workshop in class, participation in a tutoring program in the Montclair public schools, and reading in composition scholarship. Participation in tutoring (2 hours a week) is required.
Prerequisite: ENWR 106.
- ENGL 275
VIETNAM WAR AND AMERICAN CULTURE 3.0
This course examines the problem of the legacy of the experience of the Vietnam War (sometimes called the "Vietnam Syndrome") as it is reflected in the culture of the United States and primarily in American literature since the end of the war in 1975. Differing discussions and evaluations of the problems bequeathed by the Vietnam war will be examined in works of political commentary, cultural criticism, history, and foreign affairs, as well as in literature. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 294
WOMEN POETS 3.0
Selected poets from Sappho through Emily Dickinson to Sylvia Plath examined in relation to contemporary women poets. Meets the Multicultural Awareness Requirement.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 301
THE NOVELS OF TONI MORRISON 3.0
This course focuses on the fiction of Toni Morrison. Readings will include her published novels (from 1970 to the present), as well as selections from her critical writings. Such matters as the nature of her prose style, developments of her literary reputation, and place within the literary canon will be studied.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 324
AMERICAN POETRY TO 1940 3.0
American poetry from Poe to Langston Hughes with an emphasis on what makes the American voice unique.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 325
AMERICAN POETRY: WORLD WAR II TO PRESENT 3.0
American poetry beginning with William Carlo Williams and continuing to the present with an emphasis on new attitudes, techniques and contributions to American culture.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 326
EARLY AMERICAN LITERATURE 3.0
American literature from the Puritans to 1800, tracing the development of colonial and revolutionary thought and the beginning of America's cultural independence.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 336
AMERICAN LITERARY REALISM 3.0
The works of James, Howells, Twain, Crane, Norris, Dreiser and others are examined in light of the developing literary concepts of realism, naturalism and social Darwinism in the changing cultural period between 1860 and 1900.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 337
MODERN AMERICAN FICTION 3.0
American fiction from 1918 to 1945 with attention to the works, criticism and lives of such authors as Hemingway, Faulkner and Fitzgerald.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 338
CONTEMPORARY AMERICAN FICTION 3.0
Developments in American fiction since the 1940's with attention to such authors as Mailer, Roth, Nabokov and Vonnegut.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 343
MILTON 3.0
An introduction to the mind and art of Milton. Intensive study of one major work and selections representative of the full range of his achievement.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 344
CHAUCER 3.0
Troilus and Criseyde, The Canterbury Tales and some of the minor poems in Middle English. No previous language training required.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 345
MIDDLE ENGLISH LITERATURE 3.0
The literature of England from 1100 to 1400 in its historical and social contexts and in relation to continental literature. Where appropriate, works are read in Middle English.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 346
19TH CENTURY ENGLISH ROMANTIC LITERATURE 3.0
The revolutionary expression of such poets and essayists as Wordsworth, Coleridge, Shelley, Byron, Keats, Hazlitt, De Quincey and Lamb.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 347
VICTORIAN PROSE AND POETRY 3.0
Mid and late 19th century responses to the emergence of modern British society demonstrated in the works of Carlyle, Mill, Ruskin, Huxley, Newman, Arnold, Morris, Tennyson and Browning.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 348
RENAISSANCE LITERATURE 3.0
Major poets and prose writers of 16th and early 17th century England such as Sydney, Lyly, Nashe, Greene, Donne and Browne, whose individual contributions in poetry and prose reflect the literary and philosophical preoccupations of the period.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 353
SHAKESPEARE: COMEDIES-HISTORIES 3.0
Representative comedies and histories: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare's vision of man as actor.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 354
SHAKESPEARE: TRAGEDIES-ROMANCES 3.0
Representative tragedies and romances: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare's view of man in the tragic mode and in the later romances.
Prerequisite: ENWR 106 or HONP 101.

- ENGL 370
ENGLISH INDEPENDENT STUDY I 2.0-3.0
A scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest.
Prerequisite: ENWR 106 or HONP 101; Departmental approval.
- ENGL 371
ENGLISH INDEPENDENT STUDY II 2.0-3.0
A second scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest or a study begun in ENGL 370 that continues for a second term.
Prerequisite: ENWR 106 or HONP 101; Departmental approval.
- ENGL 393
AMERICAN POLITICAL NOVEL SINCE 1900 3.0
The political themes reflected in American novels arising from Social Darwinism, Socialism, Communism, World War I, the Great Depression and World War II.
Prerequisites: ENWR 106 or HONP 101 and a survey course in one of the following: American literature, American history, sociology or political science.
- ENGL 444
17TH CENTURY ENGLISH POETRY 3.0
The schools of Donne and Jonson and the works of Marvell and Dryden. Milton excluded.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 446
IRISH RENAISSANCE PERIOD LITERATURE 3.0
Irish romanticism, naturalism, symbolism and realism in the works of Joyce, Shaw, Yeats and others from the late 1890's to the 1930's.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 456
20TH CENTURY ENGLISH NOVEL 3.0
The literary and cultural context and the stylistic and structural changes in representative British novels of the 20th century.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 471
TEACHING ENGLISH (SECONDARY) 4.0
Communicating both the discipline and the human dimensions of English as a subject in the classroom, including familiarization with adolescent literature and the uses of computers in the English classroom. A course in the professional sequence not credited to the English major requirements.
Prerequisites: Departmental approval; concurrent or completed intermediate field experience (CURR 410) and permission of the English teacher education coordinator.
- ENGL 493
SEMINAR IN AMERICAN LITERATURE 3.0
The works of one major American author in depth or of a group of authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.
- ENGL 494
SEMINAR IN ENGLISH LITERATURE 3.0
The works of one major English author in depth or of a group of English authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.
- ENGM 384
THE GRAMMARS OF ENGLISH 3.0
A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as a means of more effective writing and literary analysis. Cross listed with Linguistics, LNGN 384.
Prerequisite: ENWR 106 or HONP 101.
- ENID 398
AUTOBIOGRAPHY 3.0
Autobiographical readings, especially in letters, diaries, and journals, from ancient times to the present. Emphasis on the aesthetics of autobiography, autobiography as the mirror of an age, and autobiography as a model of the examined life.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 206
WORLD LITERATURE: THE COMING OF AGE THEME 3.0
This course combines Western with non-Western works to approximate an approach to a "global perspective" on literature. It is designed to introduce the student to major works of world literature; to foster an international literary sensibility; to present a variety of cultural perspectives in a context which demonstrates how they are interrelated; to present students with assignments that will direct them toward developing skills of literary analysis and interpretation; and to guide students in deepening their awareness of the connections between national literatures and their cultural contexts. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 207
WORLD LITERATURE: VOICES OF TRADITION AND CHALLENGE 3.0
Organized around the premise that writers have two fundamental ways of responding to the challenge of their culture, conformity or dissent, this course will present literary works in pairs that represent opposing ways of responding to the same subject. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 250
SPECIAL TOPICS IN COMPARATIVE LITERATURE 3.0
A survey or genre course on a topic not included in the regular departmental offerings. Satisfies the departmental major requirement in comparative literature.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 260
MYTH AND LITERATURE 3.0
Myth and the myth-making process: the origins, meanings and major archetypes and motifs of Occidental and Oriental myths.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 274
20TH CENTURY LITERATURE OF IMMIGRATION 3.0
The Literature of Immigration examines the experience of immigrants to the United States through the fiction, poetry and drama of writers of varying cultural backgrounds to learn about the customs, religions, mores and assimilative strategies of old and new immigrant groups. Literary strategies used by the writers will be emphasized. Meets the Multicultural Awareness Requirement.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 349
CONTEMPORARY IRISH LITERATURE 3.0
A study of contemporary Irish writers reflecting cultural, social, political, economic and class changes since the Irish Revival period. Writers include Seamus Heaney, Roddy Doyle, Eavan Boland, and Brian Friel.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 367
CONTEMPORARY AFRICAN LITERATURE 3.0
A comparative study of the literatures of African writers from countries with a history of British colonialism dating from the 1960's to the present. Topics will include: forms of storytelling and narrative representation; contemporary issues and themes in post-colonial texts; political and aesthetic frameworks; and dissemination of African literatures in a global market. ENLT 206 or 207 recommended. Meets the Multicultural Awareness Requirement.
Prerequisite: ENWR 106 or HONP 101.

- ENLT 372
WOMEN PROSE WRITERS 3.0
Readings in the international fiction and non-fiction of women writers. The focus will be on such themes as the nature of the family, changing relationships between women and men, evolving concepts of the "feminine," the impact of colonialism on gender related issues (i.e., work and women's identity) and interrelationships between religion and women's lives.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 373
LITERARY MODERNISM 3.0
The intellectual concepts of Futurism, Dada, Surrealism and Expressionism in the early 20th century, which continue to influence literature and art.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 375
MODERN DRAMA: IBSEN TO O'NEILL 3.0
Major modern plays and the playwrights whose critical insights and historical perspectives led to their unique contributions.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 376
MODERN EUROPEAN NOVEL 3.0
The creative expression of such novelists as Gide, Hesse, Kafka, Proust and Woolf as shaped by events of the period 1910 to 1930, and how these works influenced the future of the novel.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 378
SCIENCE FICTION 3.0
Fiction of the future that speculates and extrapolates from the physical and social sciences, selected from both the classics and contemporary writings.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 465
AMERICAN-INDIAN THEMES 3.0
American-Indian Themes will be organized around the following topics: attitudes toward the land and the animals; relationship to the divine and its manifestations, gods and goddesses; culture, specifically understood as arts and rituals; gender identities and family structures; political realities of a conquered people; contemporary status of American-Indians and their lives.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 466
AFRICAN, ASIAN AND CARIBBEAN LITERATURE IN ENGLISH 3.0
African, Asian, and Caribbean Literature in English will include four genres: prose, poetry, drama, and performance pieces. Significant connections will be drawn among the varieties of English and the thematic and critical issues being raised by experts who are studying these literatures.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 472
SEMINAR: IMAGES OF MUSLIM WOMEN IN 20TH CENTURY LITERATURE AND CULTURE 3.0
Through an exploration of writings by and about Muslim women in parts of the world, students will be encouraged to develop an appreciation of the variety of aesthetic forms and narrative structures embodied therein. Representations in other cultural forms such as film will also be looked at to challenge monolithic assumptions.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 492
SEMINAR IN COMPARATIVE LITERATURE 3.0
A culture, era, theme or literary approach studied through international literary masterpieces. Enrollment limited.
Prerequisite: ENWR 106 or HONP 101; junior or senior English major.
- ENWR 100
INTRODUCTION TO WRITING 3.0
A writing-intensive workshop that stresses the development of thinking and writing abilities through frequent writing assignments. Emphasis is on the writing process—prewriting, drafting, revising, using peer and teacher critique, editing and proofreading. Evaluation is partly based on a portfolio of revised writing. While this course may be taken as an elective, it is required for those students whose score on the MSU placement test indicates the need for intensive writing instruction before taking ENWR 105. This course does not satisfy a General Education Requirement.
- ENWR 105
COLLEGE WRITING I: INTELLECTUAL PROSE 3.0
Expository writing. A workshop course to develop-thinking and writing abilities through frequent writing assignments based on critical response to intellectually challenging questions. Emphasis is on the writing process—prewriting, drafting, revising, using peer and teacher critique, editing, and proofreading. A minimum of five essays is required, including an extensive documented essay that requires research. Evaluation is partly based on a portfolio of revised writing. With ENWR 106, meets Gen Ed 2002—Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)—Communication, Writing.
Prerequisite: Passing score on the MSU Basic Skills Test, or successful completion of ENWR 100.
- ENWR 106
COLLEGE WRITING II: WRITING AND LITERARY STUDY 3.0
The second semester of the intensive first-year writing sequence. Emphasis on the writing process continues as students study works of fiction, poetry, and drama in order to improve their writing and their understanding and appreciation of complex literary texts. Required: approximately 6000 words of formal writing, including at least one documented essay. With ENWR 105, meets Gen Ed 2002—Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)—Communications, Reading.
Prerequisite: ENWR 105 or HONP 100.
- ENWR 200
CREATIVE WRITING: FICTION, POETRY, DRAMA 3.0
Writing as a creative process with explorations in poetry, drama, fiction and autobiography.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 204
ADVANCED EXPOSITORY WRITING 3.0
A course designed to help general students improve their expository writing beyond the level of skill developed in the freshman composition course. Particular emphasis will be placed on argument and persuasion.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 205
CREATIVE NONFICTION 3.0
Advanced writing skills with stress on developing a personal writing style, adapting writing style to various subjects and audiences and experimenting with different modes of exposition.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 206
BUSINESS WRITING 3.0
Writing skills essential to the world of work with emphasis on correspondence, analytical reports and proposals.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 210
NEWS REPORTING 3.0
Writing news articles according to contemporary practices. Interviewing techniques are explored as well as a respect for facts, impartiality, and fairness.
Prerequisite: ENWR 105 or HONP 100.
- ENWR 214
FEATURE WRITING 3.0
All aspects of writing personality profiles and of writing critical reviews, columns and/or sports features.
Prerequisite: ENWR 210.
- ENWR 216
HISTORY OF JOURNALISM IN AMERICA 3.0
Evolution of the American press is examined through research and discussion of significant periods, individuals and issues from 1600 to the present.
- ENWR 250
SPECIAL TOPICS IN WRITING 3.0
A course in writing not included in the regular departmental offerings. May be used by English majors as a departmental elective.
Prerequisite: ENWR 106 or HONP 101.

ENWR 301
COOPERATIVE EDUCATION (ENGLISH) 4.0-8.0
 A supervised employment experience, outside the classroom, but related to academic study in English. Not included in major requirements.
Prerequisite: Departmental approval.

ENWR 310
WRITING: DRAMA 3.0
 Writing and evaluating dramatic dialogue with consideration of the problems of form, characterization and action. Usually students will complete a one-act play.
Prerequisite: ENWR 200; Departmental approval.

ENWR 311
WRITING: FICTION 3.0
 Fundamentals and techniques of writing prose fiction (stories and/or novels), with evaluations in class and extensive individual conferences.
Prerequisite: ENWR 200; Departmental approval.

ENWR 312
WRITING: POETRY 3.0
 Techniques and fundamentals of writing poetry through writing, reading, and class and professorial evaluations.
Prerequisites: ENWR 200; Departmental approval.

ENWR 313
EDITING 3.0
 Copy editing, proofreading and basic editorial skills. Articles are analyzed for accuracy, libel, precise diction and tightening.
Prerequisites: ENWR 210.

ENWR 315
MAGAZINE JOURNALISM 3.0
 Researching, writing and placing feature stories in mass circulation magazines.

ENWR 411
ADVANCED WRITING: FICTION 3.0
 Writing of prose with intensive class analyses and individual conferences.
Prerequisite: Departmental approval.

ENWR 412
ADVANCED WRITING: POETRY 3.0
 Writing of poetry with intensive class analyses and individual conferences.
Prerequisite: Departmental approval.

ENWR 416
INTERPRETIVE JOURNALISM 3.0
 Studying and writing columns, editorials and news articles. Students will compare different styles of interpretive reporting and develop their own skills in this area.
Prerequisite: ENWR 210.

ENWR 491
SEMINAR IN WRITING 3.0
 Creative writing, expository writing or theories of the teaching of composition for the advanced student. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.



FRENCH, GERMAN, AND RUSSIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Lois Oppenheim

The French program provides courses that develop linguistic skills, literary appreciation, and an understanding of the French people and their culture.

French majors may choose the Translation concentration to enhance their linguistic skills or to enter careers related to international organizations. They may also take related business courses.

They may specialize in French Civilization, a liberal arts concentration, which is a sound foundation for graduate studies. Students may also specialize in Teacher Education and prepare for careers as teachers. Students may also select a minor or a second teaching field in French.

The Russian program offers a liberal arts minor and a second teaching field, as well as required courses for the Russian Area Studies minor. Interested students may contact Dr. Caroline Scielzo for more information.

The German program features a liberal arts minor and provides courses that develop linguistic skills, literary appreciation, and an understanding of German-speaking people and their culture. Students interested in courses in German may contact Dr. Bettina Brandt.

Study Abroad

It is highly recommended that majors spend a year, a semester, or a summer studying in a French, German, or Russian-speaking country. This study should preferably be planned for the junior year. After successful completion of a study abroad, credits will be granted by evaluation. Students may earn up to 30 semester hours for a full year of study.

French Major

Concentration Programs Within the Major

Translation

	Semester Hours
Required Courses	
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 452 Translation III	3
OR	
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3

Electives (Major)

Select 12 semester hours from the following list of electives, of which 3 s.h. must be in literature

FREN 202 Seventeenth Century French Theater*	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 271 Explication de Texte*	3
FREN 275 Advanced Spoken Language Practice	3
FREN 286 French Film	3
FREN 289 Francophone Film	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3

FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 349 Francophone Literature*	3
FREN 352 Twentieth Century French Literature*	3
FREN 360 French Perspectives	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-9
FREN 410 Advanced French Grammar	3
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Total Semester Hours 42

French Civilization

Semester Hours

Required Courses

FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 286 French Film	3
OR	
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 352 20th Century French Literature	3
OR	
FREN 349 Francophone Literature	3
FREN 350 Translation I	3
FREN 360 French Perspectives	3

Electives (Major)

Select 9 semester hours from the following list of electives, of which 3 semester hours must be in literature

FREN 202 Seventeenth Century French Theater*	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 271 Explication de Texte*	3
FREN 275 Advanced Spoken Language Practice	3
FREN 289 Francophone Film	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 351 Translation II	3
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-9
FREN 410 Advanced French Grammar	3
FREN 452 Translation III	3
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Total Semester Hours 42

French Major

Teacher Education

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 270 Advanced Composition	3
FREN 271 Explication de Texte	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 352 20th Century French Literature (Prerequisite: FREN 271)	3
FREN 360 French Perspectives	3
FREN 410 Advanced French Grammar	3

Electives (Literature, 6 s.h.)

Select two courses from literature offerings of the Department in consultation with Chairperson.

Electives (Major)

Select at least 6 semester hours from the following list:

FREN 202 Seventeenth Century French Theater*	3
FREN 206 Spoken Language Practice	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 275 Advanced Spoken Language Practice	3
FREN 286 French Film	3
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 349 Francophone Literature*	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-9
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Minimum Semester Hours 39

French Minor

Required Courses (Liberal Arts Emphasis)

FREN 121 Intermediate French I	3
FREN 132 Intermediate French II	3
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3

Electives (Departmental)

6 additional semester hours in French literature and language courses chosen from the following list provided by the Department of French, German, and Russian and in consultation with the faculty advisors from the department.

FREN 202 Seventeenth Century French Theater	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 211 Eighteenth Century French Theater	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 270 Advanced Composition	3

FREN 271 Explication de Texte	3
FREN 275 Advanced Spoken Language Practice	3
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism	3
FREN 330 Survey of Medieval Literature	3
FREN 334 Seventeenth Century French Literature	3
FREN 335 French Renaissance	3
FREN 336 Eighteenth Century French Literature	3
FREN 339 Nineteenth Century French Literature	3
FREN 340 Survey of French Poetry	3
FREN 341 Contemporary French Drama	3
FREN 345 Development of the French Novel to 1900	3
FREN 349 Francophone Literature	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 352 Twentieth Century French Literature	3
FREN 360 French Perspectives	3
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 410 Advanced French Grammar	3
FREN 419 The Teaching of French in Secondary Schools	3
FREN 452 Translation III	3
FREN 470 Seminars	3

Minimum Semester Hours 18

Required Courses (Business Emphasis)

	Semester Hours
FREN 121 Intermediate French I	3 each
FREN 132 Intermediate French II	3 each
FREN 203 French Stylistics and Composition I	3 each
FREN 204 French Stylistics and Composition II	3 each
FREN 231 Business French and Computers I	3

6 additional semester hours in French literature and language courses chosen from the above list of Departmental Electives for the French Minor and in consultation with the faculty advisors from the department.

Minimum Semester Hours 21

Note: Students who place out of FREN 121, 132, 203, or 204 by either the placement exam or a challenge exam may substitute other courses from the list provided by the department to take the place of these courses.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, French majors must have a "B" average in French, take the Teacher Education courses under the French Major Requirements, and FREN 419 The Teaching of French in Secondary Schools.

Second Teaching Field in French

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required Courses

FREN 203, 204 French Stylistics and Composition I, II	3 each
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 271 Explication de Texte	3
FREN 410 Advanced French Grammar	3

Electives

From the appropriate list, select 9 semester hours of which 3 s.h. must be in literature and 3 s.h. in civilization

Total 30

NOTE: If a student has not taken a teaching methods course in a foreign language, it is necessary to take FREN 419 The Teaching of French in Secondary Schools.

German Minor

Semester Hours

Required Courses

GERM 141	Review of Fundamental Grammar	3
GERM 151	Advanced German I	3
GERM 152	Advanced German II	3

Electives (Major)

Select 9 semester hours from the following:

GERM 142	Practice in Written German	3
GERM 209	Phonetics and Phonology	3
GERM 251	Introduction to German Literature I	3
GERM 252	Introduction to German Literature II	3
GERM 309	Practice in Spoken German	3
GERM 310	Advanced Composition	3
GERM 315	Translation I	3
GERM 316	Translation II	3
GERM 317	Translation III	3
GERM 318	Translation IV	3
GERM 320	Development of the German Language	3
GERM 341	German Literature from the Origins to the Reformation Period	3
GERM 342	German Literature from the 16th to the 18th Century	3
GERM 351	German Civilization I	3
GERM 352	German Civilization II	3
GERM 360	Modern German Fiction	3
GERM 362	Development of German Poetry	3
GERM 364	German Drama of the 19th and 20th Centuries	3
GERM 375	Study Abroad	by evaluation
GERM 380	Independent Study in German	3
GERM 381	Independent Study in German	3
GERM 400	Selected Topics in German Literature and Culture	3
GERM 410	German Grammar Applied Linguistics	3
GERM 441	The Age of Goethe	3
GERM 442	The Age of Schiller	3
GERM 460	Senior Seminar	3
GERM 480	Independent Study in German	3
GERM 481	Independent Study in German	3

Russian Minor

Semester Hours

Required Courses

RUSS 101, 112	Beginning Russian I, II	6
RUSS 121, 132	Intermediate Russian I, II	6
RUSS 141, 152	Advanced Russian I, II	6

Under certain circumstances and with departmental approval, the following may be substituted for one or more of the required courses listed:

GRIN 293	Russian Culture and Civilization	3
GRIN 294	Russian Prose and Drama	3
GRIN 297	Women in Russian Literature	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
LNGN 245	Language and Culture	3
LNGN 370	Comparative and Historical Linguistics	3
RUSS 478	Independent Study in Russian	3

Russian Area Studies Minor

Semester Hours

Required Courses

Select 6 semester hours from the following:

RUSS 101, 112	Beginning Russian I, II	6
RUSS 121, 132	Intermediate Russian I, II	6
RUSS 141, 152	Advanced Russian I, II	6

Electives (Interdepartmental)

Select 6 semester hours from the following:

ECON 403	Comparative Economic Systems	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
PHIL 235	Marx and Marxism	3
POLS 407	Government and Politics of USSR	3
POLS 412	Government and Politics of the East European States	3
HIST 522	Revolutionary Russia, 1905-1921 (graduate course)*	3
HIST 523	History of Soviet Diplomacy (graduate course)*	3

*University regulations must be met for an undergraduate to register for graduate-level courses.

Electives (Departmental)

Select 6 semester hours from any courses listed above or

from the following:	6
GRIN 293 Russian Culture and Civilization	3
GRIN 294 Russian Prose and Drama	3
GRIN 297 Women in Russian Literature	3
RUSS 478 Independent Study in Russian	3

Second Teaching Field in Russian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Semester Hours

Required courses

RUSS 101, 112	Beginning Russian I, II	6
RUSS 121, 132	Intermediate Russian I, II	6
RUSS 141, 152	Advanced Russian I, II	6

Electives

With advisement from the department, select at least 12 semester hours from the appropriate lists to be obtained from the department.

Courses of Instruction

FREN 101

BEGINNING FRENCH I 3.0

For students starting French in college, or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading and writing through classroom drill, video cassettes and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

FREN 112

BEGINNING FRENCH II 3.0

For students having completed Beginning French I or who have been placed at this level after taking the placement test. Continuation of basic skills through classroom drill, video-cassettes and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: FREN 101. Special fee.

FREN 121

INTERMEDIATE FRENCH I 3.0

Developing of listening, reading and speaking ability through study of representative works and characteristic aspects of French life and culture. Laboratory work available. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: FREN 112. Special fee.

FREN 132

INTERMEDIATE FRENCH II 3.0

Developing of listening, reading, and speaking ability through study of representative works and characteristic aspects of French life and culture. Laboratory work available. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: FREN 121. Special fee.

FREN 145

INTRODUCTION TO FRENCH CULTURE 3.0

Various aspects of contemporary France such as politics, education, social and artistic movements. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: FREN 121.

FREN 203

FRENCH STYLISTICS AND COMPOSITION I 3.0

Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.

Prerequisite: FREN 132.

FREN 204		
FRENCH STYLISTICS AND COMPOSITION II	3.0	
Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.		
<i>Prerequisite: FREN 203.</i>		
FREN 205		
FRENCH PHONETICS	3.0	
Weekly transcriptions, problems of articulation, rhythm, accentuation and intonation; intensive language laboratory work. Taught in French.		
<i>Prerequisite: Special fee.</i>		
FREN 206		
SPOKEN LANGUAGE PRACTICE	3.0	
Intensive conversation with organized discussions on subjects of special interest. Taught in French.		
FREN 231		
BUSINESS FRENCH AND COMPUTERS I	3.0	
The first half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary, and computer lexicon required in today's business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.		
<i>Prerequisite: FREN 204. Special fee.</i>		
FREN 232		
BUSINESS FRENCH AND COMPUTERS II	3.0	
The second half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary and computer lexicon required in today's business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.		
<i>Prerequisite: FREN 231. Special fee.</i>		
FREN 270		
ADVANCED COMPOSITION	3.0	
A review of advanced grammar through intensive written and oral practice. Taught in French.		
FREN 271		
EXPLICATION DE TEXTE	3.0	
Improvement of reading skills and literary perception through the technique of the explication de texte, using examples from a wide variety of periods and genres. Taught in French.		
<i>Prerequisite: FREN 204.</i>		
FREN 275		
ADVANCED SPOKEN LANGUAGE PRACTICE	3.0	
Intensive conversation on an advanced level on selected and varied topics. Taught in French.		
FREN 286		
FRENCH FILM	3.0	
Development of film art with special emphasis on the contemporary period. Course taught in English. Work done in French by those taking it for French credit and in English by those taking it as a general elective. Cross listed with French, German, and Russian, FRIN 286 and Classics and General Humanities, GNHU 286.		
FREN 289		
FRANCOPHONE FILM	3.0	
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English; coursework in French. Cross listed with French, German, and Russian, FRIN 289, and Classics and General Humanities, GNHU 289. Meets the Multicultural Awareness Requirement. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.		
<i>Prerequisite: FREN 204.</i>		
FREN 302		
ORIGINS OF FRENCH CIVILIZATION	3.0	
French history and cultural development from the Middle Ages to the Revolution. Taught in French.		
FREN 304		
FRENCH CIVILIZATION 19TH AND 20TH CENTURIES	3.0	
Various aspects of the material, intellectual, artistic, and spiritual life of France. Taught in French.		
FREN 305		
MUSIC AND ART IN FRENCH CIVILIZATION	3.0	
Composers from the Middle Ages (Perotin) to modern times (Boulez); their social and cultural backgrounds. Taught in French.		
FREN 334		
SEVENTEENTH CENTURY FRENCH LITERATURE	3.0	
The most representative authors of the century. Taught in French.		
FREN 336		
EIGHTEENTH CENTURY FRENCH LITERATURE	3.0	
Main writings of the Age of Enlightenment. Taught in French.		
FREN 339		
NINETEENTH CENTURY FRENCH LITERATURE	3.0	
Principal literary currents from Romanticism to symbolism. Taught in French.		
FREN 340		
SURVEY OF FRENCH POETRY	3.0	
Development of principal poetic movements with emphasis on the 19th and 20th centuries. Taught in French.		
FREN 341		
CONTEMPORARY FRENCH DRAMA	3.0	
Theatre from the beginning of the century to the present. Taught in French.		
FREN 345		
DEVELOPMENT OF FRENCH NOVEL TO 1900	3.0	
Evolution of fiction from the feminist writings of Mme. De La Fayette and Diderot. Literature of social involvement to the present. Taught in French.		
FREN 349		
FRANCOPHONE LITERATURE	3.0	
Literature of French Expression outside continental France. Taught in French.		
FREN 350		
TRANSLATION I	3.0	
Techniques of translation English-French, French-English. Vocabulary, comparative sentence structure, analysis and expression of ideas and images.		
<i>Prerequisite: Special fee.</i>		
FREN 351		
TRANSLATION II	3.0	
Techniques of translation English-French, French-English. Vocabulary, comparative sentence structure, analysis and expression of ideas and images.		
<i>Prerequisite: FREN 350. Special fee.</i>		
FREN 352		
TWENTIETH CENTURY FRENCH LITERATURE	3.0	
Representative works of contemporary theater and the novel. Taught in French.		
FREN 360		
FRENCH PERSPECTIVES	3.0	
The history of ideas in France since World War II. Emphasizes the interrelationship of political, social and philosophical thinking. Taught in French.		
FREN 365		
INTRODUCTION TO CONSECUTIVE AND SIMULTANEOUS INTERPRETING	3.0	
The field of cross-cultural communications (with emphasis on the French-speaking world) and practice in the techniques of simultaneous and consecutive interpreting, French-English, English-French. Taught in French.		
<i>Prerequisites: FREN 351. Special fee.</i>		
FREN 367		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		

FREN 368		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 369		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 375		
FRENCH STUDY ABROAD	3.0-9.0	
Study at a university in a French-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.		
<i>Prerequisite: Department approval.</i>		
FREN 380		
COOPERATIVE EDUCATION FOR THE FRENCH MAJOR	4.0-8.0	
Supervised work experience and academic project in professional field related to major.		
<i>Prerequisite: Departmental approval.</i>		
FREN 410		
ADVANCED FRENCH GRAMMAR	3.0	
A review of the most important structural features of French, with special emphasis on areas of interference with English structure. Taught in French.		
FREN 419		
THE TEACHING OF FRENCH IN SECONDARY SCHOOLS	3.0	
Lesson planning; evaluation of techniques; demonstration of teaching procedures and technologies; exploration of the communicative approach. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 452		
TRANSLATION III	3.0	
Translation of articles in specific fields of interest to improve translation skills.		
<i>Prerequisites: FREN 351. Special fee.</i>		
FREN 470		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 472		
FRENCH LANGUAGE WORKSHOP	3.0	
A thorough foundation in French at the level required for successful graduate studies. Taught in French.		
FREN 478		
INDEPENDENT STUDY	1.0-3.0	
Directed independent study and research in French language and literature.		
<i>Prerequisite: Departmental approval.</i>		
FRIN 145		
INTRODUCTION TO FRENCH CULTURE	3.0	
Various aspects of contemporary France such as politics, education, social and artistic movements.		
FRIN 286		
FRENCH FILM	3.0	
Development of film art with special emphasis on contemporary period. Taught in English. Cross listed with Classics and General Humanities, GNHU 286.		
FRIN 289		
FRANCOPHONE FILM	3.0	
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FREN 289, and Classics and General Humanities, GNHU 289. Meets the Multicultural Awareness Requirement. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.		
GERM 101		
BEGINNING GERMAN I	3.0	
For students without previous instruction in German. Emphasis on speaking, with practice in reading and writing German. Laboratory work. Meets Gen Ed 2002—World Languages. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
<i>Prerequisite: Special fee.</i>		
GERM 112		
BEGINNING GERMAN II	3.0	
Emphasis on speaking, with practice in reading and writing German. Laboratory work. Meets Gen Ed 2002—World Languages. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
<i>Prerequisite: GERM 101. Special fee.</i>		
GERM 121		
INTERMEDIATE GERMAN I	3.0	
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets Gen Ed 2002—World Languages. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
<i>Prerequisite: GERM 112. Special fee.</i>		
GERM 132		
INTERMEDIATE GERMAN II	3.0	
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets Gen Ed 2002—World Languages. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
<i>Prerequisite: GERM 121. Special fee.</i>		
GERM 141		
REVIEW OF FUNDAMENTAL GRAMMAR	3.0	
Oral and written practice for better control of language structure.		
<i>Prerequisite: GERM 132 or 134.</i>		
GERM 151		
ADVANCED GERMAN I	3.0	
Continuation of Intermediate German on a more advanced level. Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
<i>Prerequisite: GERM 132 or 134. Special fee.</i>		
GERM 152		
ADVANCED GERMAN II	3.0	
Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
<i>Prerequisite: GERM 151. Special fee.</i>		
GERM 251		
INTRODUCTION TO GERMAN LITERATURE I	3.0	
Standard works of German literature from the classical period to the present; methods of literary interpretation. Developmental approach to the principal epochs of German literature. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
GERM 252		
INTRODUCTION TO GERMAN LITERATURE II	3.0	
Standard works of German literature from the classical period to the present; methods of literary interpretation. Developmental approach to the principal epochs of German literature. Meets the 1983 General Education Requirement (GER)—Foreign Language.		
GERM 309		
PRACTICE IN SPOKEN GERMAN	3.0	
Intensive conversation practice to improve fluency and increase active vocabulary.		
GERM 310		
ADVANCED COMPOSITION	3.0	
Intensive written exercises to improve command of the German language; some oral work.		

- GERM 315
TRANSLATION I 3.0
Intensive practice in the skills of translating professional texts from German into English and from English into German.
Prerequisite: Departmental approval.
- GERM 351
GERMAN CIVILIZATION I 3.0
Epochs and trends in German culture and civilization from the beginnings until Romanticism. The cultural aspects dealt with will include, but not be limited to, literature and the arts, geography, history, politics and folklore. Meets the 1983 General Education Requirement–Foreign Language.
- GERM 360
MODERN GERMAN PROSE FICTION 3.0
Reading and discussion of great German novels and novellas of the 19th and 20th centuries; the personal and stylistic characteristics of the authors; the literary periods they represent.
- GERM 375
GERMAN STUDY ABROAD 1.0-6.0
Study at a university in a German-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.
Prerequisite: Departmental approval.
- GERM 400
SELECTED TOPICS IN GERMAN LITERATURE AND CULTURE 3.0
Exploration of a timely topic or significant area of German Literature or culture. The specific topic will be announced at the appropriate time before registration begins.
- GERM 480
INDEPENDENT STUDY IN GERMAN (SENIOR LEVEL) 3.0
Directed individual study and research in German for senior majors with the desire, ability and responsibility necessary to pursue a special scholarly interest.
Prerequisite: Departmental approval.
- GRIN 250
SELECTED TOPICS IN GERMAN LITERATURE AND CULTURE 3.0
Exploration of a timely topic or significant area of German literature or culture. The specific topic will be announced at the appropriate time before registration begins. May be repeated twice for a total of 9 credits.
- GRIN 260
SELECTED TOPICS IN GERMAN OR RUSSIAN CULTURE AND CIVILIZATION 3.0
Selected topics related to German or Russian Culture and Civilization. Topic announced each semester. Taught in English. May be repeated twice for a total of nine credits.
- GRIN 292
GERMAN LITERATURE 1890–PRESENT 3.0
The principal movements discernible in German literature since the end of the 19th century. Works representative of important authors and basic genres and trends. No knowledge of German is required. Taught in English. Cross listed with Classics, GNHU 292.
- GRIN 295
GERMAN EXPRESSIONISM 3.0
Various aspects of German expressionism, encompassing roughly the period between the two world wars; the political and social climate of the Weimar Republic; literature, painting, sculpture, and music, and the film of that era; defining expressionism as a specific historical period as well as a perennial stylistic device. Taught in English. Cross listed with Classics, GNHU 295.
- GRIN 293
RUSSIAN CULTURE AND CIVILIZATION 3.0
The history of Russian culture from the early stages of Slavic civilization to the contemporary post-Soviet Russian Federation. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. Cross listed with Classics and General Humanities, GNHU 293. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.
- GRIN 294
RUSSIAN PROSE AND DRAMA 3.0
Russian prose and drama from the 18th century to the present day. Representative works of Pushkin, Gogol, Turgenev, Dostoevski, Tolstoi and Gorki. No knowledge of Russian is required. Taught in English. Cross listed with Classics and General Humanities, GNHU 294.
- GRIN 295
GERMAN EXPRESSIONISM 3.0
Various aspects of German expressionism, encompassing roughly the period between the two world wars; the political and social climate of the Weimar Republic; literature, painting, sculpture, music and the film of that era; defining expressionism as a specific historical period as well as a perennial stylistic device. Taught in English. Cross listed with Classics and General Humanities, GNHU 295.
- GRIN 297
WOMEN IN RUSSIAN LITERATURE 3.0
This course will examine the roles, status, identity and problems of female characters in representative works of Russian literature from the medieval period to the present. It will trace the development of mythic images about "Mother Russia," study the cultural messages of classic nineteenth century Russian heroines and explore adaptations in the traditional appreciation of Russian women in the early Soviet period as well as contemporary works. Meets the Multicultural Awareness Requirement.
- RUSS 101, 112
BEGINNING RUSSIAN I, II 3.0 each
The fundamentals of grammar and pronunciation. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite for RUSS 101: Special fee.
Prerequisite for RUSS 112: RUSS 101 or equivalent. Special fee
- RUSS 121, 132
INTERMEDIATE RUSSIAN I, II 3.0 each
Continuation of Russian 101 and 112. Open to students who have acquired an elementary knowledge of Russian elsewhere. Detailed review of Russian grammar and pronunciation, more advanced conversation. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite for RUSS 121: RUSS 112. Special fee.
Prerequisite for RUSS 132: RUSS 121. Special fee.
- RUSS 141, 152
ADVANCED RUSSIAN I, II 3.0 each
Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite for RUSS 141: RUSS 132. Special fee.
Prerequisite for RUSS 152: RUSS 141 or equivalent. Special fee.
- RUSS 478
INDEPENDENT STUDY IN RUSSIAN 1.0-3.0
Directed individual study and research in Russian for special students.
Prerequisite: Departmental approval.

General Humanities Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Coordinator: Victoria Tietze Larson

The major in General Humanities critically examines the culture, ideas, and values of earlier cultures, Western and non-Western, both in their original time periods and as they have been appropriated and transformed by later ages. In particular, the program seeks to develop a critical awareness of how the classical past has been utilized as a symbol or an ideal by modern cultures, including American, and how Western culture has developed its own particular views about itself as being distinctly different from non-Western cultures.

The major is especially recommended for students who have a broad interest in the liberal arts either for their own sake or as preparation for business and the professions. The General Humanities program, coordinated by the Department of Classics and General Humanities, is unique both in respect to the breadth of disciplines (history, literature, philosophy, religious studies, art history, music history) in which students are required to take courses and in respect to the senior seminar, in which students write a senior thesis addressing the contemporary role of the humanities from an interdisciplinary perspective.

General Humanities Major

Required Core Courses

	Semester Hours
GNHU 201 General Humanities I (to 1400)	3
GNHU 202 General Humanities II (from 1400)	3
GNHU 499 Senior Humanities Seminar (to accompany writing of senior thesis)	4

Electives (Major)

Students will take a total of 24 semester hours in selected courses in the five areas listed below. A detailed list of major electives follows the *Courses of Instruction*.

- a. History: One course from two of the following groups:
 - (1) Earlier Western
 - (2) Later Western
 - (3) Non-Western

total 6
 - b. Philosophy and Religious Studies: One course from each group:
 - (1) Philosophy
 - (2) Religious Studies

total 6
 - c. Literature: One course from each group:
 - (1) Comparative Literature
 - (2) National Literature

total 6
 - d. Art History: One course
 - e. Music History: One course
- Grand total: 34

Courses of Instruction

GNHU 201	
GENERAL HUMANITIES I (TO 1400)	3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets the General Education Requirement - Humanities, General Humanities.	
GNHU 202	
GENERAL HUMANITIES II (FROM 1400)	3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets the General Education Requirement - Humanities, General Humanities.	

GNHU 499

SENIOR HUMANITIES SEMINAR

4.0

A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem arising from the concentration.

Prerequisite: Senior standing as a General Humanities major.

Detailed list of Major Elective Courses

HISTORY

Earlier Western:

HIST 281	Greek Civilization	3
HIST 282	Roman Civilization	3
HIST 322	Medieval European Civilization 450-1350	3
HIST 419	Age of Renaissance 1350-1517	3
GNHU 281	Greek Civilization	3
GNHU 282	Roman Civilization	3

Later Western:

HIST 204	The Second World War	3
HIST 212	Social History of the United States	3
HIST 213	Economic History of the United States	3
HIST 214	Diplomatic History of the United States	3
HIST 215	Women in American History	3
HIST 217	History of Black Americans	3
HIST 218	Political History of the United States	3
HIST 219	Sport in History	3
HIST 221	Europe's Conquest of the Americas, 1415-1763	3
HIST 222	Economic History of Europe	3
HIST 225	The Poles, Czechs, Slovaks and Hungarians Since 1815	3
HIST 309	Feminist Ideas in Western Thought	3
HIST 310	Immigrant in American History	3
HIST 311	Early History of New Jersey 1702-1789	3
HIST 312	Historical Geography of the United States	3
HIST 313	Biography in American History	3
HIST 320	American Urban History Since 1880	3
HIST 321	History of the American Worker since 1877	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
HIST 327	History of France since 1789	3
HIST 328	Conflict in Modern Ireland	3
HIST 329	History of England to 1714	3
HIST 331	History of England 1714-1914	3
HIST 406	History of American Business	3
HIST 411	Intellectual History of the United States	3
HIST 420	The Reformation Era 1500-1650	3
HIST 422	Studies in Enlightenment History	3
HIST 424	Diplomatic History of Europe	3
HIST 426	The Nazi Third Reich	3
HIST 433	American Colonial History 1607-1763	3
HIST 434	American Revolution and Early Republic 1763-1828	3
HIST 435	The Union in Crisis 1820-1877	3
HIST 436	America in the Gilded Age	3
HIST 437	American Society in the 20th Century	3
HIST 438	America in the Sixties: The Crisis of Consensus Liberalism ..	3

Non-Western:

HIST 108	Introduction to African Civilization	3
HIST 109	Introduction to Islamic Civilization	3
HIST 114	Early Latin American Civilization	3
HIST 115	History of Puerto Rico	3
HIST 116	Modern Latin-American Civilization	3
HIST 128	Pre-modern Japan: A History of Japan to the Meiji Restoration	3
HIST 129	Modern Japan: A History of Japan from the Meiji through the Showa	3
HIST 131	Introduction to Indian Civilization	3
HIST 132	Introduction to Chinese Civilization	3
HIST 133	Modern Chinese Civilization	3
HIST 223	Communist Revolution in China	3
HIST 416	Church and State in Latin America	3

PHILOSOPHY AND RELIGIOUS STUDIES:

Philosophy:

PHIL 212	Social and Political Philosophy	3
PHIL 231	American Philosophy	3
PHIL 233	Contemporary Philosophers	3
PHIL 237	Asian Philosophy	3
PHIL 239	Existentialism	3
PHIL 260	Philosophies of Art	3
PHIL 262	Philosophy of Religion	3
PHIL 266	Philosophy of Science	3
PHIL 290	Fields of Philosophy: Selected Topics	3
PHIL 291	Fields of Philosophy: Selected Topics	3
PHIL 292	Fields of Philosophy: Selected Topics	3
PHIL 295	Periods and Movements: Selected Topics	3
PHIL 297	Periods and Movements: Selected Topics	3
PHIL 310	Knowledge, Belief and Truth	3
PHIL 312	Existence and Reality	3
PHIL 314	Philosophy of Language	3
PHIL 316	Philosophy of Law	3
PHIL 331	History of Philosophy: Ancient Philosophy	3
PHIL 333	History of Philosophy: Modern Philosophy	3
PHIL 335	Nineteenth Century Philosophy	3
PHIL 390	Fields of Philosophy: Selected Topics	3
PHIL 392	Fields of Philosophy: Selected Topics	3
PHIL 395	Periods and Movements: Selected Topics	3
PHIL 397	Periods and Movements: Selected Topics	3
PHIL 424	Seminar in Philosophy	3
PHIL 426	Seminar in Philosophy	3
PHIL 427	Seminar in Philosophy	3
PHIL 429	Seminar in Philosophy	3

Religious Studies:

RELG 107	Death and Dying: Religious Perspectives	3
RELG 200	Old Testament: Genesis to Joshua	3
RELG 202	Old Testament: Joshua to Daniel	3
RELG 204	New Testament: Jesus and the Gospels	3
RELG 206	New Testament: Paul and the Early Church	3
RELG 210	Native American Religions	3
RELG 212	Asian Religions	3
RELG 216	Islamic Religious Traditions	3
RELG 221	Religion and Culture	3
RELG 223	Religion in North America	3
RELG 225	Religion and Social Change	3
RELG 256	Religion in Latin America	3
RELG 258	Christian History and Thought	3
RELG 262	Philosophy of Religion	3
RELG 267	Women in Religion	3
RELG 273	The Holocaust: Religious Perspectives	3
RELG 300	Classics of Western Religious Thought	3
RELG 355	Selected Study in Religion and Culture	3
RELG 357	Selected Study in Religious Issues	3
RELG 460	Seminar in World Religions	3
RELG 462	Seminar in Religious Text	3
RELG 465	Seminar in Religion and Culture	3
RELG 467	Seminar in Religious Issues	3

LITERATURE:

Comparative Literature:

ENLT 366	African Myth and Literature	3
ENLT 372	Women Prose Writers	3
ENLT 373	Literary Modernism	3
ENLT 374	Contemporary European Drama	3
ENLT 375	Modern Drama: Ibsen to O'Neill	3
ENLT 376	Modern European Novel	3
ENLT 377	Speculative Fiction: Fantasy	3
ENLT 464	Modern Poetry to T.S. Eliot	3
ENLT 492	Seminar in Comparative Literature	3

National Literature:

ENGL 226	Literature of the American Renaissance	3
ENGL 234	American Drama	3
ENGL 238	Black Writers in the United States: A Survey	3
ENGL 240	English Literature I: Beginnings to 1660	3
ENGL 241	English Literature II: 1660 to Present	3
ENGL 247	The Augustan Age	3
ENGL 250	Special Topics in English or American Literature	3
ENGL 254	English Drama: Beginnings to 1642	3

ENGL 256	English Novel to 1900	3
ENGL 294	Women Poets	3
ENGL 324	American Poetry to 1940	3
ENGL 325	American Poetry: World War II to Present	3
ENGL 326	Early American Literature	3
ENGL 336	American Literary Realism	3
ENGL 337	Modern American Fiction	3
ENGL 338	Contemporary American Fiction	3
ENGL 343	Milton	3
ENGL 344	Chaucer	3
ENGL 345	Middle English Literature	3
ENGL 346	19th Century English Romantic Literature	3
ENGL 347	Victorian Prose and Poetry	3
ENGL 348	Renaissance Literature	3
ENGL 353	Shakespeare: Comedies-Histories	3
ENGL 354	Shakespeare: Tragedies-Romances	3
ENGL 364	Contemporary Poetry	3
ENGL 401	Old English Language and Literature	3
ENGL 444	17th Century English Poetry	3
ENGL 446	Irish Renaissance Period Literature	3
ENGL 455	Restoration and 18th Century Drama	3
ENGL 456	20th Century English Novel	3
ENGL 493	Seminar in American Literature	3
ENGL 494	Seminar in English Literature	3

ART HISTORY:

ARHS 215	Ancient Art	3
ARHS 216	Renaissance Art in Italy: The Fifteenth Century	3
ARHS 220	Art in Non-Western Societies	3
ARHS 275	Afro-American Art	3
ARHS 322	Early Christian-Byzantine Art	3
ARHS 323	Medieval Art	3
ARHS 324	Northern Renaissance Painting	3
ARHS 325	Seventeenth and Eighteenth Century Art	3
ARHS 327	History of Oriental Art	3
ARHS 328	Survey of Greek Art	3
ARHS 329	American Art	3
ARHS 332	Ancient Art of Europe	3
ARHS 450	Modern Architecture	3
ARHS 451	Contemporary Art	3
ARHS 452	Renaissance Art in Italy: The Sixteenth Century	3
ARHS 455	Selected Problems in Art History	3
ARHS 457	Pre-Colombian, Oceanic and African Art	3
ARHS 458	African Art: Sub-Saharan	3
ARHS 459	Art of the Nineteenth Century	3
ARHS 461	Nineteenth Century American Painting	3
ARHS 469	Art of the Twentieth Century	3
ARHS 485	Ancient Art in Italy: Etruscan and Roman Art	3

MUSIC HISTORY:

MUGN 100	Introduction to Music	3
MUGN 150	Influence of Afro-American Culture on Music	3
MUGN 209	Introduction to Jazz	3

HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Timothy Sullivan

The Department of Health Professions, Physical Education, Recreation, and Leisure Studies (HPPERLS) provides preparation in the education theory, technology, research, policy and practice of health, health education, allied health, fitness, physical education, sport, recreation, tourism, and hospitality leadership, management and marketing. Students are educated for careers in the health care industry, in public and corporate education, and in the sports, recreation, hospitality, tourism industries and athletic training. Students are also well prepared for graduate-level education. All programs provide a combination of broad studies in the liberal arts with in-depth education in a professional field. All programs emphasize clinical and field experience. The curricula provides students with structure in a discipline as well as flexibility to elect courses in areas other than the academic major.

The department is organized into three (3) academic units: Health Professions, Physical Education, and Recreation and Leisure Studies.

HPPERLS offers many opportunities for both students majoring in these diverse areas of study as well as students generally interested in our unique professions. Although the career goals of majors are varied, there are certain common threads. Students tend to be people-oriented, concerned with lifelong activity, and interested in general fitness, wellness and business concepts. These characteristics apply to students preparing for traditional careers as teachers, clinicians, administrators and managers.

Health Professions majors are prepared through classroom instruction and field experience for careers in educational and administrative positions in hospitals, long term care facilities, clinics, and many other types of organizations involved in health care. Health Education majors prepare to teach and/or conduct research in traditional school settings. Community Health Education majors also prepare to develop and implement health-related programs in public or voluntary health agencies.

Athletic Training majors prepare for careers as athletic trainers. Athletic Trainers are allied health professionals who provide health care for physically active individuals. The Athletic Training Education Program (ATEP) and Bachelor of Science in Athletic Training prepare students for the national Athletic Trainers' Association Board of Certification examination. Graduates who pass the certification examination can be employed as Athletic Trainers at high schools, colleges and universities, sports medicine clinics and professional athletic settings. The ATEP is a candidate for accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Physical Education majors are prepared for careers in teaching, (K-12) Physical Education and Health Certification and professional/entrepreneurial positions in the fitness field. Specializations in athletic training coaching, and adapted physical education have been developed to provide students with strong backgrounds in these specialized areas. The Adult Fitness concentration prepares students for a corporate, clinical (cardiac rehabilitation), commercial or community setting. The Association for Worksite Health Promotion recognized the Adult Fitness Program with an outstanding Professional Preparation Award.

Recreation Professions majors prepare for careers in commercial recreation, tourism, hospitality and therapeutic recreation. These areas of study are designed to prepare the students for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory positions and for management and marketing oriented careers.

Successful completion of each degree program results in the granting of the Bachelor of Science degree.

Health Education Major

Required Courses

		Semester Hours
HLTH	207 Safety, Accidents, and Emergency Care	3
HLTH	210 Consumer Health*	3
HLTH	213 Perspectives on Drugs	3
HLTH	220 Mental Health	3
HLTH	240 Foundations of Environmental Health	3
HLTH	290 Human Sexuality	3
HLTH	307 The Study of Human Diseases	3
HLTH	315 Public Health	3
HLTH	330 Foundations Of Health Education	3
HLTH	404 Foundations of Measurement and Evaluation in Health Education	3
HLTH	411 School Health and Community Services	3
HLTH	440 Health Aspects of Aging*	3
HLTH	442 Health Promotion**	3

* Required for Teacher Education only.

** Required for Community Health Services Concentration only.

Required Collateral Courses

BIOL	240 Mammalian Anatomy and Physiology I	3
BIOL	241 Mammalian Anatomy and Physiology II	3
BIOL	254 Applied Microbiology	3
CHEM	107 College Chemistry I	2
CHEM	109 College Chemistry Laboratory I	1
CHEM	108 College Chemistry II	2
CHEM	110 College Chemistry Laboratory II	1
HENU	182 Nutrition	3

Community Health Services Concentration

HLTH	401 The Teaching of Health	4
HLTH	430 Health Counseling	3
HLTH	491 Health Education and the Computer	3
MGMT	231 Management Processes	3

Plus the following courses in sequence:

HLTH	245 Observation of Health Agencies	2
HLTH	350 Field Study in Health	6

OR

COED	401 Cooperative Education Experience I	6-8
------	--	-----

Teacher Certification

Health Education, grades K-12

Students pursuing teacher certification in Health Education for Kindergarten through Grade 12 must be admitted to the Teacher Education Program. They take the required major and collateral courses listed above and HLTH 401, *The Teaching of Health*. In addition, they must follow the professional sequence outlined in the Teacher Education Program in this catalog.

Allied Health Services Major

Technical Speciality in Allied Health

Twenty-four (24) credits must be completed at or recognized by an academically accredited institution prior to transfer to Montclair State.

Semester Hours

Required Courses

HLTH	315 Public Health	3
HLTH	455 Core Concepts in the Delivery of Health Care	3
HLTH	460 Systems of Health Services Delivery	3

Collateral Courses

ACCT	200 Accounting for Non Business Majors	3
------	--	---

OR

ACCT	201 Fundamentals of Accounting I	3
ECON	101 Principles of Economics: Macro	3
ECON	102 Principles of Economics: Micro	3
CMPT	108 Computers and Programming	3

OR

INFO	273 Introduction to Computers in Business	3
MATH	109 Statistics	3

MGMT	231	Management Processes	3
MGMT	316	Human Resource Management	3
OR			
MGMT	431	Middle and First Line Management	3

Electives (Departmental)

Select 12 semester hours from the following:	12
HLTH 207 Safety, Accidents and Emergency Care	3
HLTH 210 Consumer Health	3
HLTH 213 Perspectives on Drugs	3
HLTH 220 Mental Health	3
HLTH 290 Human Sexuality	3
HLTH 430 Health Counseling	3
HLTH 440 Health Aspects of Aging	3
HLTH 445 Perspectives on Death	3
HLTH 491 Health Education and the Computer	3

Health Studies Minor

This eighteen semester-hour minor is designed especially for Liberal Arts students and other selected majors seeking to enhance their academic and/or professional preparation through selected study pertaining to the broad spectrum of health care delivery and related services. Following careful consultation with a departmental advisor, each candidate develops a sequence of coursework in three major areas: (1) Foundations of Health Study; (2) Basic Content in the Health Disciplines; and (3) Processes of Development, Implementation and/or Evaluation, particularly as these elements pertain to the respective major field of study.

The basic objectives of the Health Studies Minor are to: (1) enhance career opportunities related to a student's major academic and/or professional interests; (2) increase opportunities for continuing and advanced education in the health professions and/or in health-related disciplines; and (3) expand individual awareness of significant personal and community health issues, while providing for the refinement of one's decision-making capabilities in these contexts. Students seeking acceptance into the Health Studies minor must consult with a departmental advisor to determine the applicability of the Health Studies Minor to one's specific academic major and career goals. An eighteen-semester hour program of coursework must be established, including studies in each of the following categories:

- A. Foundations of Health Study 3-6 semester hours
- B. Basic Content in the Health Disciplines 9-12 semester hours
- C. Processes of Development, Implementation and/or Evaluation 3-6 semester hours

Athletic Training Program

The Bachelor of Science in Athletic Training (BSAT) is a professional preparation program designed to provide students with the education necessary to prepare them for certification by the National Athletic Trainers' Association Board of Certification (NATABOC). Students pursuing certification in Athletic Training must be admitted to the Athletic Training Education Program and complete all requirements. The ATEP is a candidate for accreditation by the Commission for Accreditation of Allied Health Education Programs (CAAHEP).

The requirements for admission to the program for entering freshmen include a letter of recommendation from a certified athletic trainer, 100 hours of observation in an athletic training program and an interview. Prior to admission to the program students must complete the application for admission to the ATEP, provide proof of a physical examination, sign the technical standards and provide proof of vaccination for hepatitis B. Detailed admissions instructions are available at the ATEP web site, from the program director, or in undergraduate admissions.

As a result of changing University requirements, the program of study for the Bachelor of Science in Athletic Training is under review. Anticipated revisions may reduce the total number of credits required for this degree program.

Athletic Training Major

Semester Hours

Required Theory Courses (25 s.h.)

HPEM	100	Orientation to the Field of Health and Physical Education ...	1
HLTH	150	Principles and Practices of Emergency Care	3
HLTH	307	Study of Human Diseases	3
PEMJ	220	Physiology of Exercise	3
PEMJ	221	Kinesiology	3
PEMJ	222	Basic Motor Learning	3
PEMJ	351	Adapted Physical Education	3
PEMJ	353	Psychology of Sport	3
HPEM	355	Measurement and Evaluation in Health and Physical Education	3

Required Professional Sequence (31 s.h.)

HLTH	105	Medical Terminology	3
PEMJ	223	Basic Prevention and Care of Athletic Injuries	3
PEMJ	236	Assessment of Athletic Injuries I - Lower Body	3
PEMJ	237	Assessment of Athletic Injuries II - Upper Body	3
PEMJ	323	Advanced Prevention and Care of Athletic Injuries	3
PEMJ	379	Internship in Athletic Training	4
PEMJ	424	Therapeutic Exercise in Athletic Training	3
PEMJ	425	Therapeutic Modalities in Athletic Training	3
PEMJ	454	Administration of Athletic Training Programs	3
PEMJ	495	Seminar in Athletic Training	3

Professional Clinical Sequence (10 s.h.)

PEMJ	228	Clinical Education in Athletic Training I	2
PEMJ	229	Clinical Education in Athletic Training II	2
PEMJ	328	Clinical Education in Athletic Training III	2
PEMJ	329	Clinical Education in Athletic Training IV	2
PEMJ	428	Clinical Education in Athletic Training V	2

Required Collateral Courses (16)

BIOL	240	Mammalian Anatomy and Physiology I	3
BIOL	241	Mammalian Anatomy and Physiology II	3
CHEM	107	College Chemistry I	2
CHEM	108	College Chemistry II	2
HENU	182	Nutrition	3
PSYC	200	Educational Psychology	3

Physical Education Major with Teacher Certification in Physical Education and Health

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

The department has specific requirements for admission to the Teacher Education Program. These include maintaining a minimum grade point average (GPA) of 2.75 in physical education major courses (PEMJ, HPEM, and HLTH) and a 2.75 GPA overall. In addition, transfer students need to complete a minimum of 6 semester hours in physical education courses at Montclair State University to be eligible to apply to the Teacher Education program.

Semester Hours

Required Theory Courses (31 s.h.)

HPEM	100	Orientation to the Field of Health and Physical Education ...	1
HLTH	150	Principles and Practices of Emergency Care	3
HLTH	213	Perspectives on Drugs	3
HLTH	220	Mental Health	3
HLTH	307	Study of Human Diseases	3
HPEM	352	Development and Philosophy of Health and Physical Education	3
HPEM	356	Management of Health, Physical Education, Athletic, and Fitness Programs	3
PEMJ	220	Physiology of Exercise	3
PEMJ	221	Kinesiology	3

PEMJ	222	Basic Motor Learning	3
PEMJ	351	Adapted Physical Education	3

Activity Courses (18 s.h.)

1. Select 2 of 3 Team Sport Modules (4 semester hours)			
PEMJ	135	Sports Module I: Football, Basketball, Team Handball	2
PEMJ	136	Sports Module II: Soccer, Speedball, Volleyball	2
PEMJ	137	Sports Module III: Softball, Lacrosse, and Hockey	2
2. Required Individual Sport Modules (4 semester hours)			
PEMJ	138	Sports Module IV: Tennis, Badminton and Fencing	2
PEMJ	139	Sports Module V: Archery, Golf, and Track and Field	2
3. Required Skill Activities (10 semester hours):			
PEMJ	117	Aquatics and Outdoor Education	2
PEMJ	131	Fitness Activities	2
PEMJ	145	Dance in the Schools	2
PEMJ	235	Movement Experiences in the Elementary School	2
PEMJ	248	Teaching Gymnastics in the Schools	2

Health and Physical Education Elective Courses (3-10 s.h.)

1. Certification: NATA Athletic Training (10 semester hours)			
PEMJ	223	Basic Prevention and Care of Athletic Injuries	3
PEMJ	323	Advanced Prevention and Care of Athletic Injuries	3
PEMJ	379	Internship in Athletic Training	4
2. Certification: ACEP Coaching (8 semester hours)			
PEMJ	226	Coaching Principles and Problems	3
PEMJ	353	Psychology of Sport	3
or			
PEMJ	227	Social Problems in Sports	3
Choose one coaching course: PEMJ 301, 303, 306, 308, or 309			
3. Certification: Aquatics Professional (7 semester hours)			
PEMJ	112	Water Safety Instruction/Lifeguard Training Instruction	2
PEMJ	310	Coaching Swimming and Diving	2
PEMJ	345	Aquatic Management	3
4. Health Education Electives (3-9 semester hours)			
Select a minimum of two:			
HENU	182	Nutrition	3
HLTH	210	Consumer Health	3
HLTH	240	Foundations of Environmental Health	3
HLTH	411	School Health and Community Service	3

5. Individual Contract (3-10 semester hours)
A 3-10 credit hour program may be prepared in consultation with an advisor and approved by the department chairperson. This is an option for students with unique interests in the adult fitness, adapted physical education, dance or computer technology areas.

Collateral Courses (16 s.h.)

HLTH	290	Human Sexuality	3
HPEM	355	Measurement and Evaluation in Health and Physical Education	3
BIOL	240	Mammalian Anatomy and Physiology I	3
BIOL	241	Mammalian Anatomy and Physiology II	3
CHEM	107	College Chemistry I	2
CHEM	108	College Chemistry II	2

Professional Sequence (29 semester hours)

1. <u>Pre-admission to Teacher Education</u>			
CURR	200	Initial Field Experience	1
2. <u>Acceptance to the Teacher Education Program</u>			
HPEM	457	Methods of Teaching Health and Physical Education: Pedagogical and Content Knowledge	3
HPEM	458	Methods of Teaching Health and Physical Education: Application of Pedagogical Knowledge and Skills	3
READ	407	Reading: Theory and Process	3
READ	409	Teaching for Critical Thinking	3
CURR	400	Teacher, School and Society	3

CURR	410	Intermediate Field Experience in Education	1
------	-----	--	---

3. Professional Semester

CURR	435	Effective Teaching/Productive Learning	3
CURR	402	Seminar in Professional Education	1
CURR	411	Supervised Student Teaching	8

Professional Sequence for Teacher Education

Please refer to the Teacher Education Program, outlined in this catalog, for specific information on the Professional Sequence.

Physical Education Major

Adult Fitness Concentration (62 semester hours)

Semester Hours

Required Courses (23 s.h.)

HPEM	100	Orientation to the Field of Health and Physical Education ...	1
HLTH	150	Principles and Practices of Emergency Care	3
HPEM	352	Development and Philosophy of Health and Physical Education	3
HPEM	356	Management of Health, Physical Education, Athletic, and Fitness Programs	3
PEMJ	220	Physiology of Exercise	3
PEMJ	221	Kinesiology	3
PEMJ	222	Basic Motor Learning	3
PEMJ	246	Field Experience in Adult Fitness	1
PEMJ	351	Adapted Physical Education	3

Activity Courses Required (11 s.h.)

PEMJ	117	Aquatics and Outdoor Education	2
PEMJ	131	Fitness Activities	2
PEMJ	151	Yoga, Relaxation and Stress Management	1
PEMJ	231	Fitness Assessment and Exercise Prescription	2
PEMJ	233	Leadership in Aerobic Programming	2
PEMJ	234	Leadership in Anaerobic Programming and Conditioning ...	2

Theory Specialization Core (28 s.h.)

PEMJ	340	Fitness and the Aging Process	3
PEMJ	375	Foundations and Practices in Cardiac Rehabilitation	3
PEMJ	376	Seminar in Fitness Programming	2
BSED	101	Contemporary Business	3
COUN	331	Group Dynamics	3
HENU	182	Nutrition	3
MKTG	340	Introduction to Marketing	3

Select One:

PEMJ	380	Internship in Physical Education	8
------	-----	--	---

OR

PEMJ	381	Cooperative Education in Physical Education	8
------	-----	---	---

Collateral Courses (16 s.h.)

HLTH	101	Personal Health Issues	3
HPEM	355	Measurement and Evaluation in Health and Physical Education	3
BIOL	240	Mammalian Anatomy and Physiology I	3
BIOL	241	Mammalian Anatomy and Physiology II	3
CHEM	107	College Chemistry I	2
CHEM	108	College Chemistry II	2

Recreation Professions Program

As more leisure time becomes available, the opportunity for leadership in both the private and public areas of recreation and leisure enterprises grows. A student who enrolls in the department's program can earn a Bachelor of Science degree with a concentration in Commercial Recreation and Tourism or Therapeutic Recreation. Both of these areas of study are designed to prepare the student for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory and management levels.

Courses are also open as electives for those majoring in other fields. Here the emphasis is placed on the role of recreation and leisure in life-planning and community service, and developing cross-specialization between other disciplines.

Recreation Professions Major

Semester Hours

Required Courses (42 s.h.)

PERL 123	Leadership Techniques in Recreation and Leisure Services	3
PERL 124	Introduction to Recreation, Tourism, Hospitality and Leisure Services	2
PERL 225	Program Planning in Recreation and Leisure	3
PERL 228	Recreation and Hospitality for Special Populations	3
PERL 312	Budget and Finance in Recreation and Tourism	3
PERL 322	History and Philosophy of Leisure, Play and Recreation	3
PERL 334	Research Methods in Recreation and Leisure Services	4
PERL 350	Design, Maintenance, and Utilization of Recreation, Tourism and Park Facilities	3
PERL 430	Management of Recreation and Leisure Services	4
PERL 437	Senior Seminar*	2
PERL 489	Internship**	12

*2.45 GPA needed

**Satisfactory completion of Senior Seminar

Recreation students are required to select an 18 semester hour concentration in their major, and include 6 semester hours of Psychology under General Education.

Concentrations Within the Major

Commercial Recreation and Tourism

Semester Hours

Required Courses (18 s.h.)

PERL 311	Special Events Planning and Promotion	3
PERL 340	Introduction to Commercial Recreation and Tourism	3
PERL 342	Delivery of Commercial Recreation and Tourism Services ..	3
PERL 346	Tourism and Commercial Recreation, Planning, Development, and Analysis	3
Two Business Electives selected from approved list		6

Therapeutic Recreation

Semester Hours

Required Courses (18 s.h.)

PERL 271	Clinical Experiences in Therapeutic Recreation	3
(Taken three times for 1 semester hour each)		
PERL 370	Introduction to Therapeutic Recreation	3
PERL 372	Recreation and Rehabilitation Services	3
PERL 377	Programming and Supervision in Therapeutic Recreation ..	3
Six semester hours by advisement		6

Note: Students in this concentration are required to take Mammalian Anatomy and Physiology I and II as part of their curriculum.

Courses of Instruction

Health Professions

HLTH 101

PERSONAL HEALTH ISSUES

3.0

Examines health as a variable entity having physiological, psychological and environmental dimensions. Employs an individualized participatory approach that includes assessing one's own health status and behavior; increasing competencies in making health related decisions; eliciting health promoting behaviors; and interpreting existing or proposed social actions that ultimately affect personal, family and community health. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

HLTH 105

MEDICAL TERMINOLOGY

3.0

A basic health course introducing elements of medical terminology describing body parts, systems, functions and medical procedures. Emphasis will be placed on development of medical vocabulary and communication skills. The course will provide learning episodes in formulating medical abbreviations and translating complex terminology into lay terms, that ultimately will be applicable to careers in medical writing, health care delivery and management.

HLTH 150

PRINCIPLES AND PRACTICES OF EMERGENCY CARE

3.0

Provides for study of emergency care management. Provides knowledge and skills for teaching principles and practices of emergency care in a school or adult fitness setting.

HLTH 207

SAFETY, ACCIDENTS AND EMERGENCY CARE

3.0

Provides for study of major safety areas including transportation, public safety, industrial and home safety. Emergency health care, first aid treatment, and preventive measures are considered in the context of individual, agency and institutional responsibilities.

HLTH 210

CONSUMER HEALTH

3.0

Interpretation of individual economic activity as it relates to health service and health products. Includes analysis of factors influencing consumer health attitudes and behavior. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

HLTH 213

PERSPECTIVES ON DRUGS

3.0

Provides for the study of licit as well as illicit drug use in contemporary society from the perspective of selected biomedical and psychosocial disciplines. Examines the effects of drugs on the individual and society in the context of changing social conditions and technological developments. Analyzes complex nature of the drug problem and rehabilitative and preventive measures and tentative solutions to this important aspect of human existence. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

HLTH 220

MENTAL HEALTH

3.0

Provides for the study of human emotional adjustment throughout the life cycle from biomedical and psychosocial perspectives. The factors that foster the development of emotional and mental well-being and the forces that contribute to the breakdown of human adjustment capabilities are identified and analyzed in light of research and clinical literature. Special attention is given to the strategies for the prevention of mental disorders and promotion of mental health. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

HLTH 240

FOUNDATIONS OF ENVIRONMENTAL HEALTH

3.0

Prepares student to make informed decisions concerning the avoidance or elimination of disease-causing environmental exposures by providing an understanding of the scientific principles by which these exposures are identified, measured, and judged as to their acceptability. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science.

HLTH 245

OBSERVATION OF HEALTH AGENCIES

2.0-3.0

An introductory field course designed to acquaint students with a wide range of school and community health programs and professional specializations in health. Provides a series of field visits and short-term placements under professional supervision. Open to all.

HLTH 246

EPIDEMIOLOGY

3.0

Provide a basic understanding of the epidemiologic method of identifying disease-causing exposures. Emphasizes the generation of hypotheses based on descriptive epidemiologies data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing and evaluating disease prevention strategies. Meets Gen Ed 2002—Social Science, Social Science.

HLTH 290

HUMAN SEXUALITY

3.0

Provides for the study of human sexuality from the various biological, physiological, sociological, and psychological perspectives and examines individual and community attitudes concerning sexual behavior. Includes such contemporary issues as abortion, sterilization, homosexuality, artificial insemination, and gender selection. Acquaints students with criteria and processes for understanding themselves as sexual beings in the context of the social environment which provides their opportunities and constraints. Meets the 1983 General Education Requirement (GER)—Electives, Personal and Professional Issues.

- HLTH 307**
THE STUDY OF HUMAN DISEASES 3.0
 Provides a comprehensive study of diseases, their etiology, pathophysiology, diagnosis, prognosis, and treatment. Includes a review of causation theories and incidence patterns and focuses on major degenerative neo-plastic metabolic, immunologic and infectious diseases. Attention is given to prevention and control measures with an emphasis on the role of selected health/medical resources in disease management.
- HLTH 315**
PUBLIC HEALTH 3.0
 A basic course focusing on major health problems currently affecting the local, state, national and international scenes and includes consideration of political, social and economic factors. Special attention is directed to the public health organizations and agencies dealing with these health problems.
- HLTH 330**
FOUNDATIONS OF HEALTH EDUCATION 3.0
 Provides a comprehensive study of the scientific, social, behavioral, educational, and legal foundations of health education. Traces the evolution and interprets the impact of related professions on school, community and allied health education.
- HLTH 350**
FIELD STUDY IN HEALTH 2.0-6.0
 Selected experiences in community health work through arrangements with various kinds of health agencies. Major projects developed under supervision of a faculty member and a qualified person in the health professions agency.
Prerequisites: HLTH 245.
- HLTH 401**
THE TEACHING OF HEALTH 4.0
 Traces historical development of health instruction, examines characteristics of health learners, and compares different types of health education programs. Provides for use of the computer in health education. Requires demonstration of health education planning, teaching and evaluation skills.
Prerequisite: Admission to Teacher Education Program.
- HLTH 404**
FOUNDATIONS OF MEASUREMENT AND EVALUATION IN HEALTH EDUCATION 3.0
 Provides for the study of the concept and the process of measurement and evaluation in health education. Specific topics related to test selection, test construction, test administration, and analysis of test results are discussed within a broad theoretical framework and reinforced with practical experiences.
Prerequisite: Admission to Teacher Education Program.
- HLTH 411**
SCHOOL HEALTH AND COMMUNITY SERVICES 3.0
 Provides for an in-depth understanding of the school health program and community services. Includes study of school and health services, healthful school environment, and health education and community health services.
- HLTH 430**
HEALTH COUNSELING 3.0
 Course focuses on factors influencing health and illness behavior with implication for behavioral intervention in health care. Included are the intervention strategies of prevention, crisis intervention, postvention and compliance, and the intervention techniques of assessment, interviewing, counseling skills and small group dynamics.
- HLTH 442**
HEALTH PROMOTION 3.0
 Provides an overview of efforts to reduce the prevalence of disease-promoting behaviors by establishing health programs in various settings. Criteria for prioritizing health promotion efforts are examined and applied to specific risk factor reduction efforts. The need to evaluate the cost-benefit of health promotion programs is emphasized. Administrative and ethical issues in health promotion are addressed.
- HLTH 445**
PERSPECTIVES ON DEATH 3.0
 Exploration of the personal and social meanings of death. Formulation of realistic plans for living, through education about death.
- HLTH 455**
CORE CONCEPTS IN THE DELIVERY OF HEALTH CARE 3.0
 Interdisciplinary analysis of patient care, supporting functions of health practitioners and human service principles underlying allied health professional-patient interactions.
Prerequisites: Six months of occupational experience in an allied health specialty.
- HLTH 460**
SYSTEMS OF HEALTH SERVICES DELIVERY 3.0
 The organization, administration and functions of health services in the United States and other major nations; the social and professional policies which determine their scope and nature. Principal methods currently employed in the U.S. for analysis and evaluation of health care systems. Offers opportunity to students to relate these general understandings to those segments of the health services system of particular professional interest to themselves.
- HLTH 491**
HEALTH EDUCATION AND THE COMPUTER 3.0
 Provides students with a basic understanding of and skills in computer functions related to school and community health education programs. Emphasizes the use and evaluation of software for the planning, implementation and evaluation of health education processes. Explores the use of video technologies and the potential impact of future developments in computer technology.
- HPEM 100**
ORIENTATION TO THE FIELD OF HEALTH AND PHYSICAL EDUCATION 1.0
 A professional orientation and an introduction to the breadth of the field of health and physical education in schools, industry and community agencies. Special emphasis is given to the program at Montclair State University.
- HPEM 352**
DEVELOPMENT AND PHILOSOPHY OF HEALTH AND PHYSICAL EDUCATION 3.0
 The history and development of health and physical education are traced from primitive to modern times. Influences which contributed to the modern philosophy of health and physical education are identified.
Prerequisite: Junior standing.
- HPEM 355**
MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION 3.0
 Tests and measurements specifically concerned with the areas of health and physical education. Tests and measurements as tools for better teaching as well as for research.
Prerequisite: Junior standing.
- HPEM 356**
MANAGEMENT OF HEALTH, PHYSICAL EDUCATION, ATHLETICS AND FITNESS PROGRAMS 3.0
 Comprehensive information about the management of health and physical education, athletics, and fitness programs. Current trends, practices and support services essential to the development of these programs will be examined.
Prerequisite: Junior standing.
- HEPM 457**
METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION: PEDAGOGICAL AND CONTENT KNOWLEDGE 3.0
 This course provides an overview of theory and research related to the methods of teaching Health and Physical Education. Topics include: content standards, program goals and objectives, curriculum models, knowledge of teaching strategies, principles of learning, sociological implications for teaching and learning, and safety and liability issues related to teaching.
Prerequisite: Admission to Teacher Education Program.
- HPEM 458**
METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION: APPLICATION OF PEDAGOGICAL KNOWLEDGE AND SKILLS 3.0
 This course provides students with experiences applying methods of teaching Health and Physical education. Experiences include: development of unit and lesson plans, the application of effective teaching strategies and styles of teaching, use of computers for instruction, describing and analyzing student and teacher behaviors, and application of reflective teaching techniques to improve teaching and student learning experiences.
Prerequisite: Admission to Teacher Education Program.

Physical Education Non-Major Courses

PEGN 200	
BEGINNING SWIMMING	1.0
This course is designed for beginning swimmers and those who are not comfortable in the water. The scope of the course will cover a wide variety of swimming strokes and survival techniques. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 230	
PERSONALIZED FITNESS	3.0
An introductory course in personalized fitness covering theories and techniques of the physiological and psychological components of fitness. Designed for second careers students.	
PEGN 251	
AEROBIC ACTIVITIES	1.0
This course will provide the student with an opportunity to recognize and develop cardiovascular conditioning, endurance and lifetime fitness skills. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 257	
WEIGHT TRAINING AND CONDITIONING	1.0
A regimen of physical fitness (conditioning) exercises will be established for the individual student, and assistance will be rendered to help him or her in following this regimen in order to reach his or her maximum physical potential (muscle tone and endurance). Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 258	
BEGINNING TENNIS	1.0
Fundamental skills of tennis, singles and doubles play. Appreciation of tennis as a leisure pursuit. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 260	
BEGINNING RIDING	1.0
Techniques for the beginner. Taught at a riding academy. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 262	
VOLLEYBALL	1.0
Basic skills, game strategy and rules of volleyball. Meets the Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 265	
FIGURE SKATING	1.0
Figure skating for the novice taught at an off-campus skating rink. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education	
PEGN 266	
SKIING	1.0
The student is provided with information pertaining to basic techniques, safety, etiquette, and equipment relevant to his level of skiing. Instruction will be given on the slope for five weeks along with additional information to be given on campus. An additional fee is required for lift tickets and rental equipment. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 271	
SOCIAL DANCE	1.0
The course covers the traditional ballroom dances as well as current popular styles and routines. Meets 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 272	
BOWLING	1.0
Adequately prepare and develop the student with a background of the necessary skills essential to performing and understanding the art of bowling. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	

PEGN 274	
SCUBA DIVING	1.0
Scuba diving techniques and safety. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 275	
BEGINNING KARATE	1.0
Skills and development of personal ability in performance of the activity. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 278	
YOGA	1.0
Instruction will be given in how to perform yoga postures, plus the techniques of breathing, relaxation, awareness, and concentration, with their proper progression. The historical and psychological factors involved in the development of yoga, and its increasingly widespread appeal physically and philosophically will be dealt with. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	
PEGN 279	
CLIMBING AND REPELLING	1.0
Based on Adventure Education principles of experiential learning. In learning to climb, students will acquire skills in: communication, problem solving, trust development, promoting self-esteem, decision making, and leadership. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.	

Physical Education Major Courses

PEMJ 110	
AQUATICS	1.0
For those with a minimum amount of aquatic knowledge and skill. Swimming strokes, water stunts and springboard diving. Organization for teaching groups and safety precautions.	
PEMJ 117	
AQUATICS AND OUTDOOR EDUCATION	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of aquatics and selected outdoor education skills.	
PEMJ 131	
FITNESS ACTIVITIES	2.0
A comprehensive course to provide the student with knowledge needed for developmental programming of personalized fitness activities utilizing all modes of fitness training.	
PEMJ 136	
SPORTS MODULE II: SOCCER, SPEEDBALL, VOLLEYBALL	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of soccer, speedball and volleyball.	
PEMJ 137	
SPORTS MODULE III: SOFTBALL, LACROSSE, AND HOCKEY	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of softball, lacrosse, and hockey.	
PEMJ 138	
SPORTS MODULE IV: TENNIS, BADMINTON, AND FENCING	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of tennis, badminton, and fencing.	
PEMJ 139	
SPORTS MODULE V: ARCHERY, GOLF, AND TRACK AND FIELD	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of archery, golf, and track and field.	
PEMJ 143	
SOCIAL DANCE	1.0
The fundamental of social dance are presented to the student.	
PEMJ 145	
DANCE IN THE SCHOOLS	2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of folk, square, and social dance forms.	

PEMJ 151		
YOGA, RELAXATION AND STRESS REDUCTION	1.0	
Provides for the development of basic skills in the performance and teaching of hatha yoga and basic neuromuscular relaxation. Each student will be able to plan and implement stress reduction programs for individuals in a one-to-one counseling situation and teach sessions in a classroom format.		
PEMJ 220		
PHYSIOLOGY OF EXERCISE	3.0	
The physiological effects of physical activity upon the human organism. The reaction of exercises of speed, strength, and endurance upon the muscular and circula-respiratory system.		
<i>Prerequisites: BIOL 240 and 241.</i>		
PEMJ 221		
KINESIOLOGY	3.0	
An overview of the integrated functioning of the skeletal, muscular and nervous systems and the biomechanical principles governing efficient movement, in order to effectively analyze the performance of motor skills.		
<i>Prerequisites: BIOL 240 and 241.</i>		
PEMJ 222		
BASIC MOTOR LEARNING	3.0	
This course provides students with knowledge of the theoretical basis of human learning and performance in motor activity.		
<i>Prerequisites: BIOL 240 and 241.</i>		
PEMJ 223		
BASIC PREVENTION AND CARE OF ATHLETIC INJURIES	3.0	
An introductory course designed to provide the student with information about those aspects of sports medicine which are necessary to the safe conduct of sports.		
PEMJ 226		
COACHING PRINCIPLES AND PROBLEMS	3.0	
This course is designed to present an overview of the principles and problems pertaining to coaching on the high school and college levels.		
PEMJ 227		
SOCIAL PROBLEMS IN SPORTS	3.0	
Designed to analyze a number of important and controversial issues of sports in American society. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.		
PEMJ 231		
FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION	2.0	
This comprehensive course will allow the student in the adult fitness concentration the opportunity to practice field test assessment skills and procedures. Students will also be exposed to all aspects of equipment and instrumentation commonly found in the fitness industry.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 233		
LEADERSHIP IN AEROBIC PROGRAMMING	2.0	
Students will acquire skills in performing, demonstrating, and teaching aerobic activities.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 234		
LEADERSHIP IN ANAEROBIC PROGRAMMING AND CONDITIONING	2.0	
Students will acquire skills in performing, demonstrating, and teaching strength training and anaerobic conditioning.,		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 235		
MOVEMENT EXPERIENCES IN THE ELEMENTARY SCHOOL	2.0	
A comprehensive activity course designed to present theory and practical application of movement experiences and non-sport activities in physical education in the elementary school.		
PEMJ 244		
PHYSICAL EDUCATION FIELD EXPERIENCE	1.0	
This course will provide an opportunity for physical education majors interested in teacher education to examine the nature and function of physical education programs in a public school setting.		
PEMJ 246		
FIELD EXPERIENCE IN ADULT FITNESS	1.0	
This course permits physical education majors interested in adult fitness an opportunity to observe and evaluate a variety of adult fitness programs.		
PEMJ 248		
TEACHING GYMNASTICS IN THE SCHOOLS	2.0	
An understanding of the techniques of the teaching of gymnastics in physical education programs within the school setting will be provided.		
<i>Prerequisite: PEMJ 113 or 114.</i>		
PEMJ 255		
PRACTICUM IN SELECTED PHYSICAL EDUCATION PROGRAMS	2.0	
This field based course affords students in the physical education teacher education program an opportunity to apply theoretical knowledge in a practical situation in schools or agencies in the area of coaching, individualized fitness or adapted physical education.		
PEMJ 303		
COACHING BASKETBALL	2.0	
The course is designed to provide students with an introduction to the art of coaching the game of basketball. Students have an opportunity to explore various contemporary styles and aspects of team play. Teaching, beginning with individual player development and progressing to team development, will be covered.		
PEMJ 308		
COACHING FOOTBALL	2.0	
Techniques and methods of coaching football with emphasis on team play; offensive and defensive methods for running, passing and kicking game. Complete organization of a football program is presented.		
PEMJ 309		
COACHING SOCCER	2.0	
The course is designed to provide students with an understanding of the theory and techniques of coaching soccer.		
PEMJ 323		
ADVANCED PREVENTION AND CARE OF ATHLETIC INJURIES	3.0	
This advanced level course integrates the knowledge of anatomy, physiology, biomechanics, nutrition, conditioning, and first aid. This course provides an understanding of the prevention, care, and rehabilitation of athletic injuries. Theoretical and practical aspects of the field will be presented through lecture and laboratory sessions in order to develop a broad background concerning the health care and medical management of athletic injuries. Athletic training is presented as a professional opportunity as well as an essential aspect in the education of physical educators and coaches.		
<i>Prerequisite: PEMJ 223.</i>		
PEMJ 340		
FITNESS AND THE AGING PROCESS	3.0	
The anatomic, physiologic and social changes experienced by the older adult as he/she ages. The students will learn the bases for selection of appropriate activities and techniques for communicating with this specialized population. Field experiences involving older adults in fitness settings will be included in this course.		
<i>Prerequisites: PEMJ 220.</i>		
PEMJ 351		
ADAPTED PHYSICAL EDUCATION	3.0	
This is a lecture and practicum course covering the introductory techniques for conducting a physical education program to meet the needs of the developmentally disabled. Each student is required to spend a minimum of 15 hours of laboratory experience in schools, agencies, and/or institutions.		
PEMJ 353		
PSYCHOLOGY OF SPORT	3.0	
Psychology related to physical activity on emotional, attitudinal and personality aspects, motivation, cultural and sociological problems of athletes, spectator response and deportment.		
PEMJ 357		
TEACHING OF PHYSICAL EDUCATION	4.0	
Methods of teaching and principles of learnings as they apply to growth, development and movement. Urban, inner city, suburban and rural situations and conditions related to learning facilities and equipment.		
<i>Prerequisites: Acceptance into Teacher Education.</i>		

- PEMJ 375**
FOUNDATIONS AND PRACTICES IN CARDIOPULMONARY REHABILITATION 3.0
 Knowledge and skills related to cardiopulmonary rehabilitation which is necessary for working with post-cardiac individuals in the post-hospital continuing exercise program. Students will be expected to demonstrate a high level of competence in all aspects of the course. Field work required.
Prerequisites: PEMJ 220.
- PEMJ 376**
SEMINAR IN FITNESS PROGRAMMING 2.0
 Specifically designed for the student in the adult fitness concentration to bring together a series of background topics into a seminar experience. The course will discuss practitioner roles, the establishment of criteria for the evaluation of fitness programs in a variety of settings, individual factors which influence participation adherence, and practical considerations which apply to fitness programming.
- PEMJ 379**
INTERNSHIP IN ATHLETIC TRAINING 4.0
 Designed for the student interested in becoming certified as a trainee (NATA). Through an internship program the student will be provided the opportunity to apply the background information obtained in both basic and advanced prevention and care of athletic injuries course. The proposed course will also meet the NATA requirement for field experience. This course available to students not completing the student teacher experience only.
Prerequisites: PEMJ 150 and 323.
- PEMJ 380**
INTERNSHIP IN PHYSICAL EDUCATION 8.0
 The internship offers the student an opportunity to work as a trainee with professionals in organizations and/or agencies.
Prerequisites: Departmental approval.
- PEMJ 381**
COOPERATIVE EDUCATION IN PHYSICAL EDUCATION 4.0-8.0
 Integrates academic study with supervised employment outside the formal classroom environment. The co-op term is a semester off-campus during which a student, while supervised by a department faculty coordinator is responsible for completing the terms of a predetermined learning contract. Available to students not completing the student-teacher sequence only.
Prerequisites: Departmental approval.
- PEMJ 399**
INDEPENDENT STUDY IN PHYSICAL EDUCATION 1.0-6.0
 Provides an opportunity to pursue independent study in one of the specialized areas of physical education.
Prerequisite: Departmental approval.
- PEMJ 424**
THERAPEUTIC EXERCISE IN ATHLETIC TRAINING 3.0
 An introduction to therapeutic exercise programs for rehabilitation of athletic injuries sustained to the head, axial region, and upper and lower extremities. Gender and age issues related to therapeutic exercise are presented and practical applications of injury assessment, exercise technique manipulation, and evaluation procedures are included.
Prerequisites: BIOL 240 and BIOL 241 and PEMJ 323.
- PEMJ 425**
THERAPEUTIC MODALITIES IN ATHLETIC TRAINING 3.0
 An introduction to therapeutic modalities used for athletic injury rehabilitation within athletic training programs. Topics include physiological effects of therapeutic modalities, theory and principles related to modality utilization, indications and contraindications associated with modality utilization. Practical applications of therapeutic modalities is included.
Prerequisites: BIOL 240 and 241 and PEMJ 323.
- PEMJ 444**
SEMINAR IN PHYSICAL EDUCATION 1.0
 This course permits physical education student teachers an opportunity to discuss and evaluate the experiences they have in a physical education setting while student teaching.
Prerequisite: CURR 410.
Corequisite: CURR 411.
- PEMJ 454**
ADMINISTRATION OF ATHLETIC TRAINING PROGRAMS 3.0
 An overview of administrative components of an athletic training program for high school, college, and professional athletic organizations. Topics include financial management, training room management, personnel supervision and health care services for athletes. Practical experiences in budget management, and a case study approach to issue resolution are included.
Prerequisites: PEMJ 424 and 425.
- PEMJ 492**
SELECTED TOPICS IN PHYSICAL EDUCATION 1.0-3.0
 A theoretical and practical in-depth study in a current aspect of physical education. Topics will be determined prior to course offering and publicized.
- Recreation and Leisure Studies Courses**
- PERL 123**
LEADERSHIP TECHNIQUES IN RECREATION AND LEISURE SERVICES 3.0
 Theory, principles, techniques, and processes of the different types of leadership styles in a variety of recreation programs and leisure services. Application of the different styles and techniques through the planning, delivery, and evaluation of appropriate activities.
- PERL 124**
INTRODUCTION TO RECREATION, TOURISM, HOSPITALITY AND LEISURE SERVICES 3.0
 An orientation course to the broad spectrum of services which are provided to society by recreation, tourism, hospitality and leisure services practitioners. Professional awareness and career opportunities are examined.
- PERL 208**
LEISURE AND RECREATION IN SOCIETY 3.0
 Analysis and interpretation of the concepts of leisure, its role in individual, community and national lifestyles, its social and economic significance. The role of recreation programs and services in meeting current and future needs of society. For non-recreation and leisure studies majors only. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- PERL 225**
PROGRAM PLANNING IN RECREATION AND LEISURE 3.0
 Theory, principles and practices of systematic program planning. Field observation and participation is required.
- PERL 228**
RECREATION AND HOSPITALITY FOR SPECIAL POPULATIONS 3.0
 Adaptation of recreation and leisure services for persons with special needs and limitations, role of institutions and community agencies, specialized leadership techniques, modification requirements for areas, facilities equipment, and supplies.
Prerequisite: PERL 225.
- PERL 271**
CLINICAL EXPERIENCES IN THERAPEUTIC RECREATION 1.0
 Individualized student placements in clinical settings provide opportunity to gain firsthand knowledge of therapeutic recreation and prescriptive programming services. May be repeated for credit to a total of 3 semester hours.
- PERL 285**
FIELD EXPERIENCE IN RECREATION AND PARKS 2.0-4.0
 Supervised on-site laboratory experience in an approved recreation or leisure service area. Seminar meetings and individual conferences required.
Prerequisite: Department approval.
- PERL 299**
SELECTED TOPICS-RECREATION AND PARK ADMINISTRATION 1.0-3.0
 Professional inquiry into the study of a selected issue, problem or trend in recreation and park administration.
Prerequisite: Department approval.
- PERL 311**
SPECIAL EVENTS PLANNING AND PROMOTION 3.0
 This course is a course in advanced recreation and functionally related services programming. It includes the analysis, planning and execution of special events and related activities involving large numbers of people and diverse publics. Topics include event philosophy and planning, technical and legal consideration, crowd management and promotion. Field trips required.
Prerequisite: PERL 225.

- PERL 312**
BUDGET AND FINANCE IN RECREATION AND TOURISM 3.0
 Study of the various sources and methods of financing, including exploration of the philosophy and mechanics of the budgetary process in recreation and park systems.
Prerequisite: PERL 225.
- PERL 322**
HISTORY AND PHILOSOPHY OF LEISURE, PLAY AND RECREATION 3.0
 A study and analysis of the philosophical concepts concerning leisure, play and recreation, including the historical milieu that supports past theories, current thoughts and practices, and the philosophical directions for the future of recreation and leisure services.
- PERL 334**
RESEARCH METHODS IN LEISURE SERVICES 4.0
 An introduction to the various techniques and methods used in research, the appropriate application of research methods, statistical methodology and other analytical tools for investigating problems in recreation and park professions.
Prerequisites: PERL 124 and PERL 225.
- PERL 340**
INTRODUCTION TO COMMERCIAL RECREATION AND TOURISM 3.0
 Analysis of the commercial recreation and tourism industries. Includes a study of participant profiles, types of commercial and resort enterprises, national tourism studies. Employment opportunities trends and issues. Field visits required.
Prerequisite: PERL 124.
- PERL 341**
INTRODUCTION TO THE HOSPITALITY INDUSTRY 3.0
 The scope and nature of the industry. An orientation to career opportunities and education for the hotel and hospitality industry.
Prerequisite: PERL 124.
- PERL 342**
DELIVERY OF RECREATION AND TOURISM SERVICES 3.0
 Methods and procedures for organizing and implementing commercial recreation and tourism enterprises. Includes an in-depth analysis of delivery systems, economic and marketing trends and promotion. A class research project is part of the course requirements. Field visits required.
Prerequisite: PERL 340.
- PERL 343**
DELIVERY OF HOTEL/RESORT RELATED SERVICES 3.0
 The analysis and examination of selected business operations which are of importance to the overall success of hotels/resorts, including travel agencies, tour companies, gift shops, restaurants, and recreational facilities.
Prerequisite: PERL 341.
- PERL 346**
TOURISM AND RECREATION PLANNING, DEVELOPMENT AND ANALYSIS 3.0
 Skills and techniques used in the planning, development, and analysis of tourism and commercial recreation facilities. Students will be required to complete a major research project.
Prerequisites: PERL 340 or PERL 360 and PERL 334.
- PERL 349**
SEASONAL SPORT RESORT MANAGEMENT 3.0
 A topical course in resort and selected sports management activities. Contents include management and marketing of lodging, retailing, rental, recreational programs, and other year round resort services. Additionally, the selection and operation of seasonal commercialized sports will be included. The course is only offered off-campus at a selected field site.
- PERL 350**
DESIGN, MAINTENANCE AND UTILIZATION OF RECREATION, TOURISM AND PARK FACILITIES 3.0
 This course familiarizes the student with the design, planning, maintenance and utilization of recreation, tourism and park facilities. An exploration of the preservation of open space and its relationship to recreation is also included. Field trips are required.
- PERL 354**
MARKETING HOTELS, RESORTS AND RELATED SERVICES 3.0
 Analysis of advertising, sales promotion, personal selling, and the application of marketing research to hotels, resorts and related operations.
Prerequisites: PERL 311 and PERL 334 and PERL 341.
- PERL 355**
DEVELOPMENT AND MANAGEMENT OF HOTELS/RESORTS 3.0
 Comprehensive information about the development and management of and the specific skills necessary in the operation of hotels/resorts.
- PERL 370**
INTRODUCTION TO THERAPEUTIC RECREATION 3.0
 An introduction to therapeutic recreation as a profession and service in clinical and community settings. The course includes an analysis of current issues and trends in the field, employment opportunities, and the concept of professionalism.
- PERL 372**
RECREATION AND REHABILITATION SERVICES 3.0
 Study of roles and interrelationships of professional personnel in the rehabilitation services in medical, correctional, and community settings. The team approach to rehabilitation services will be emphasized. Field visits required.
Prerequisite: PERL 228.
- PERL 377**
PROGRAMMING AND SUPERVISION IN THERAPEUTIC RECREATION 3.0
 This course includes assessment, planning and implementation of appropriate services and department programs and evaluation strategies. The course addresses basic program and personnel supervision of therapeutic recreation.
Prerequisites: BIOL 241 and PERL 228.
- PERL 381**
COOPERATIVE EDUCATION IN RECREATION AND PARKS 4.0-8.0
 Integration of academic study with supervised employment outside the formal classroom environment. The cooperative education experience is supervised by a faculty member and an agency/organization supervisor.
Prerequisites: Departmental approval.
- PERL 390**
INDEPENDENT STUDY IN RECREATION, PARKS AND LEISURE 1.0-3.0
 Independent study in area of student need and/or interest pertinent to recreation, parks and leisure. Interested students must present detailed written proposal to the department chairperson for approval and determination of credit allocation. Sophomore, junior, senior standing.
Prerequisite: Departmental approval.
- PERL 430**
MANAGEMENT OF RECREATION AND LEISURE SERVICES 4.0
 Managerial techniques and methods pertaining to the delivery of recreation and leisure services. Topics include leadership and problem solving skills, organizational structure, personnel management and legal issues.
Prerequisites: PERL 225 and Recreation Professions majors only.
- PERL 437**
SENIOR SEMINAR 2.0
 Examination and analysis of student preparation for field work and entry into the recreation and park profession. Formal application and placement of field work students.
Prerequisites: Recreation Professions majors only.
- PERL 489**
INTERNSHIP 12.0
 Directed full-time professional supervisory experiences in an approved recreation, parks or leisure delivery system. Emphasis on individual development in program planning, conduct and evaluation, budget and finance, legal aspects, community and public relations. For Recreation and Leisure Studies majors only.
Prerequisites: Department approval.

HISTORY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Joel Schwartz

The study of history, an important part of a broad liberal education, helps to prepare students for careers in teaching, law, government service, politics, journalism and creative writing, library science, business research, and positions with local, state or national archives, museums and historical societies or restoration agencies. The department offers specialized study mainly in American, European and Asian history. History majors may adapt their programs to meet certification requirements for teaching social studies in New Jersey secondary schools. A minor in history is also offered.

History Major

Required Courses

	Semester Hours
HIST 100 The Study of History	3
HIST 117 History of the United States to 1876	3
HIST 118 History of the United States since 1876	3
European History (Select one sequence)	6
HIST 103 Foundations of Western Civilization	
HIST 105 Emergence of European Civilization, 1500-1914	
OR	
HIST 105 Emergence of European Civilization, 1500-1914	
HIST 106 Contemporary Europe, 1914 to the Present	
Non-Western/Latin American History	6
(One course from TWO of the following areas)	
Asia: China, India, Japan, Islamic	
Africa	
Latin America	
HIST 400 Senior Seminar in History	3

Electives

Select four history courses at the 200-400 level	12
HIST 204 The Second World War	3
HIST 212 Social History of the United States	3
HIST 213 Economic History of the United States	3
HIST 214 Diplomatic History of the United States	3
HIST 215 Women in American History	3
HIST 217 History of Black Americans	3
HIST 218 Political History of the United States	3
HIST 219 Sport in History	3
HIST 221 Europe's Conquest of the Americas, 1415-1763	
HIST 222 Economic History of Europe	3
HIST 223 Communist Revolution in China	3
HIST 225 The Poles, Czechs, Slovaks and Hungarians since 1815	3
HIST 281 Greek Civilization	3
HIST 282 Roman Civilization	3
HIST 309 Feminist Ideas in Western Thought	3
HIST 310 Immigrants in American History	3
HIST 312 Historical Geography of the United States	3
HIST 313 Biography in American History	3
HIST 315 War in History	3
HIST 320 American Urban History since 1880	3
HIST 321 History of the American Worker since 1877	3
HIST 322 Medieval European Civilization 450-1350	3
HIST 323 History of Russia to 1917	3
HIST 324 Russia Since 1917	3
HIST 326 Modern German History	3
HIST 327 History of France since 1789	3
HIST 328 Conflict in Modern Ireland	3
HIST 329 History of England to 1714	3
HIST 330 Chinese Social History Through Literature	3
HIST 331 History of England 1714-1914	3
HIST 333 History of Brazil	3
HIST 334 Women in the Muslim World: A History of Representations	3
HIST 406 History of American Business	3
HIST 408 Independent Study European History	3
HIST 409 Independent Study Non-Western History	3

HIST 410 Independent Study in American history	3
HIST 411 Intellectual History of the United States	3
HIST 415 European Social History	3
HIST 416 Church and State in Latin America	3
HIST 419 Age of Renaissance 1350-1517	3
HIST 426 The Nazi Third Reich	3
HIST 427 The Holocaust, 1939-1945	3
HIST 430 Revolutions in Latin American History	3
HIST 431 Development of Indian Character and Culture	3
HIST 432 Development of Japanese Character and Culture	3
HIST 433 American Colonial History 1607-1763	3
HIST 434 American Revolution and Early Republic 1763-1828	3
HIST 435 The Union in Crisis, 1820-1877	3
HIST 436 America in the Gilded Age	3
HIST 437 American Society in the 20th Century	3
HIST 438 America in the Sixties: The Crisis of Consensus Liberalism ..	3
HIST 443 Internship in History	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Courses of Instruction

HIST 100	3.0
THE STUDY OF HISTORY	
The course is designed to introduce students to the nature of history as a scholarly intellectual pursuit. It is built around student activities dealing with the materials and typical research procedures used by historians and the challenges of criticizing and writing history at the beginner's level.	
HIST 103	3.0
FOUNDATIONS OF WESTERN CIVILIZATION	
Origins and development of Western civilization to about 1350: Egyptian, Judaic, Greek, Roman, Islamic and Medieval European contributions. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Social Science, American or European History.	
HIST 105	3.0
EMERGENCE OF EUROPEAN CIVILIZATION, 1500-1914	
The emergence of Europe as a distinctive world civilization. The development of ideas, institutions and technologies from medieval times to World War I. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Social Science, American or European History.	
HIST 106	3.0
CONTEMPORARY EUROPE, 1914 TO THE PRESENT	
European society in transition since World War I. The role of two world wars in shaping contemporary times. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Social Science, American or European History.	
HIST 108	3.0
INTRODUCTION TO AFRICAN CIVILIZATION	
Pre-Colonial African civilization and its eclipse under slavery and the Colonial onslaught. Principal social, political and cultural systems of the period. Meets the 1983 General Education Requirement (GER)-Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.	

- HIST 109**
INTRODUCTION TO ISLAMIC CIVILIZATION 3.0
 Examination of various institutions and value systems in Islam which characterize it as a major civilization. Important cultural developments as they are affected by the process of transition. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 110**
INTRODUCTION TO AMERICAN CIVILIZATION 3.0
 The mainstreams of development in American civilization. Political, intellectual, social, economic and cultural forces and achievements which have made the U. S. distinctive. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American/European History.
- HIST 111**
CONTEMPORARY AMERICAN ISSUES IN HISTORICAL PERSPECTIVE 3.0
 Examines contemporary issues in American society in historical perspective. Topics will vary from semester to semester in the light of changing problems confronting our society. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History.
- HIST 114**
EARLY LATIN AMERICAN CIVILIZATION 3.0
 The components of Latin American civilization. Considered are the geographical background and developments of the Mayan, Incan, and Aztec civilizations, the Spanish and Portuguese backgrounds and the wars of independence. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 115**
HISTORY OF PUERTO RICO 3.0
 The history and culture of Puerto Rico and interaction with Spain, Latin America and the United States. Meets the Multicultural Awareness Requirement.
- HIST 117**
HISTORY OF THE UNITED STATES TO 1876 3.0
 Issues and problems in the development of the American nation from discovery and exploration to the Civil War and Reconstruction. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History.
- HIST 118**
HISTORY OF THE UNITED STATES SINCE 1876 3.0
 Issues and problems in the development of the American nation from the Civil War to the present. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History.
- HIST 128**
PREMODERN JAPAN: A HISTORY OF JAPAN TO THE MEIJI RESTORATION 3.0
 This is an introductory survey course in Japanese history from earliest times to the Meiji (1868-1912). It is a first step in Japan studies designed to provide a broad, useful, working knowledge of key aspects of traditional Japan. Culture, politics, society and economy will be built into a chronological historical structure. Japan's uniqueness will be outlined against a background of greater East Asian and world interactions. This course will stand on its own, but will also serve as a useful background to understanding modern and contemporary Japan. The course also aspires to sensitizing students to the inherent value of East Asian culture as a part of human richness and diversity.
- HIST 129**
MODERN JAPAN: A HISTORY OF JAPAN FROM THE MEIJI THROUGH THE SHOWA 3.0
 This is an introductory survey course in Japanese history from the Meiji (1868-1912) through the Showa (1925-present). While it would be useful to study premodern Japan before taking this course, modern Japan does stand on its own. A review of traditional Japan will be followed by study of the dynamic interaction of Japan and the West during the 19th Century. Japan's expansionism, World War II and the postwar period will be important topics. Cultural, military, economic political, and social developments will be discussed in historical settings. Students will be encouraged to appreciate the unique dynamics of Japan's development as a modern nation state and to explore the likely progress of Japan into the 21st Century.
- HIST 131**
INTRODUCTION TO INDIAN CIVILIZATION 3.0
 The early history of India, 3000 B.C. to 1000 A.D. Principal religions, political and literary works, and their insights into Indian social values and institutions. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 132**
INTRODUCTION TO CHINESE CIVILIZATION 3.0
 The early history of China, 2000 B.C. to 1300 A.D. Principal social, political and metaphysical-philosophic works, corresponding values and institutions. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 133**
MODERN CHINESE CIVILIZATION 3.0
 Modern China, 1600 to the present. Changes in values and mutual influence East and West, studied through literary, philosophical, anthropological, historical and artistic works. Meets the Multicultural Awareness Requirement.
- HIST 141**
FOUNDATIONS OF GLOBAL CIVILIZATION 3.0
 The increasing interaction between world cultures and civilizations during A.D. 1500-1914. The central role of Europe in the development of the first global phase of world history to 1914. Cultural confrontation between West and non-West in the age of Modern Imperialism.
- HIST 204**
THE SECOND WORLD WAR 3.0
 A study of the origins and course of World War II in Europe, Asia and the Pacific.
- HIST 212**
SOCIAL HISTORY OF THE UNITED STATES 3.0
 Social and cultural aspects of American history: population movements, rural and urban problems, status of women, utopian ventures, mass media, recreation, human rights.
- HIST 213**
ECONOMIC HISTORY OF THE UNITED STATES 3.0
 Major trends in agriculture, commerce, finance, manufacturing, transportation and industrial relations from colonial beginnings to the present. Cross listed with Economics and Finance, ECON 213.
- HIST 214**
DIPLOMATIC HISTORY OF THE UNITED STATES 3.0
 Evolution of American foreign policy and diplomacy from the Revolution to the present. Selected basic readings in the field.
- HIST 215**
WOMEN IN AMERICAN HISTORY 3.0
 The changing role and status of women in American society from colonial times to the present. Meets the Multicultural Awareness Requirement.
- HIST 217**
HISTORY OF BLACK AMERICANS 3.0
 Role of Americans of African descent in the development of the United States. Contributions of Black Americans from initial discovery and exploration to mid-20th century. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

- HIST 218**
POLITICAL HISTORY OF THE UNITED STATES 3.0
 The historical development of American political institutions from the early 1700's to the present. Focus upon the evolution of constitutional and legal structures, the party system and pressure groups, the role of bureaucracies and the impact of political leaders.
- HIST 219**
SPORT IN HISTORY 3.0
 This course takes a global approach to the history of sport, but focuses on the role of sport in American history. It examines sport in early world cultures, the development of sport as a mass spectator phenomenon in modern times, and the social significance of sport in the contemporary world.
- HIST 222**
ECONOMIC HISTORY OF EUROPE 3.0
 European economic development from the Middle Ages to the present. Emphasis on the first industrial revolution in Britain; comparing 19th century economic growth in Britain, France, Germany and Russia. Cross listed with Economics and Finance, ECON 222.
- HIST 223**
COMMUNIST REVOLUTION IN CHINA 3.0
 Ideological and historical significance studied against the background of domestic and international events, personalities and ideologies. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- HIST 281**
GREEK CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman Conquest as seen through literary, documentary, and archaeological sources. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science American or European History. Cross listed with Classics and General Humanities, GNHU 281.
- HIST 282**
ROMAN CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary and archaeological sources. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History. Cross listed with Classics and General Humanities, GNHU 282.
- HIST 309**
FEMINIST IDEAS IN WESTERN THOUGHT 3.0
 History of feminist ideas and theories about women and womanhood. Students examine important theoretical literature in Europe and America from 18th century to present. Original texts of Wollstonecroft, Fuller, Mill, and Freud will be considered against their socio-historic milieu.
- HIST 310**
IMMIGRANT IN AMERICAN HISTORY 3.0
 The processes by which the immigrant was incorporated into American society. Includes the cultural backgrounds from which the different groups came; the reasons for emigration; the nature of the communities they created once they reached the United States; their religious and social institutions; the problems of maintaining ethnic culture with the pressure to Americanize.
- HIST 312**
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
 The slow pace of settlement of the eastern seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1809. Cross listed with Earth and Environmental Studies, EUGS 312.
- HIST 313**
BIOGRAPHY IN AMERICAN HISTORY 3.0
 The significant biographical materials available in the study of American history; the problems and uses of biography.
- HIST 315**
WAR IN HISTORY 3.0
 Examines selected wars in the history of the world in an attempt to learn about causes and consequences of war. Considers attempts to prevent war in the past, and proposed methods for preventing war in the future.
- HIST 320**
AMERICAN URBAN HISTORY SINCE 1880 3.0
 Transformation of the 19th century industrial city into the 20th century metropolis; the emergence of the New York metropolitan region.
- HIST 321**
HISTORY OF THE AMERICAN WORKER SINCE 1877 3.0
 History of the American worker rather than his trade union. The worker's legal status, political behavior, social and cultural activities, treatment by employer and state.
- HIST 322**
MEDIEVAL EUROPEAN CIVILIZATION 450-1350 3.0
 Origins, development, and significance of a civilization whose political, social and cultural foundations had a spiritual basis and unity.
- HIST 323**
HISTORY OF RUSSIA TO 1917 3.0
 Factors shaping the Russian people: Byzantium and Greek Orthodox faith, Tartar state organization, the Mir, Westernization from Peter to Lenin, intellectual and radical movements.
- HIST 324**
RUSSIA SINCE 1917 3.0
 Political, social, economic and intellectual developments in the Soviet Union and Russia; the relationship of ideology and national goals.
- HIST 326**
MODERN GERMAN HISTORY 3.0
 German society, culture and politics from 1789 to the present. The formation of a unified state in the nineteenth century. The effects of World War I and of National Socialism. The division of Germany after World War II and the reunification of the country in 1989-1990.
- HIST 328**
CONFLICT IN MODERN IRELAND 3.0
 A history of Irish nationalism with emphasis on the period from 1782 to the present.
- HIST 329**
HISTORY OF ENGLAND TO 1714 3.0
 Emphasis on political and constitutional history, the formation of basic institutions of law and government and related economic, social and cultural factors.
- HIST 330**
CHINESE SOCIAL HISTORY THROUGH LITERATURE 3.0
 Masterpieces of the Chinese literary tradition from earliest times to the 20th century. Literary genre in historical perspective and as expression of social and cultural values.
- HIST 331**
HISTORY OF ENGLAND 1714-1914 3.0
 Political, social and economic history from the Hanoverian succession to the 20th century: Industrial Revolution, changing balance of the Constitution, British Imperialism, the Irish question.
- HIST 333**
HISTORY OF BRAZIL 3.0
 Traces the historical development from the pre-historical Indian cultures to the 1970's; covers the social, cultural, political, economic and religious aspects of the largest Latin-American nation.
- HIST 334**
**WOMEN IN THE MUSLIM WORLD:
 A HISTORY OF REPRESENTATIONS** 3.0
 A survey of writings by and about Muslim women examined historiographically. We examine conventional wisdom about Muslim women through the ages, and how this "wisdom" was constructed: Who wrote about Muslim women? When? How? What purposes have these writings served at different times and places since the inception of Islam and during the course of its 1,500 year history.
- HIST 400**
SENIOR SEMINAR IN HISTORY 3.0
 Directed research and preparation of seminar reports and written paper on special topics in the main fields of history. Required for senior history majors.
Prerequisite: HIST 100.

- HIST 408**
INDEPENDENT STUDY EUROPEAN HISTORY 3.0
 To provide opportunity for students, mainly history majors, to do independent work in the field of European history.
- HIST 409**
INDEPENDENT STUDY NON-WESTERN HISTORY 3.0
 To provide opportunity for students, mainly in history or transcultural studies, to do independent work in the field of non-Western history.
- HIST 410**
INDEPENDENT STUDY IN AMERICAN HISTORY 3.0
 To provide an opportunity to do independent work in the field.
- HIST 411**
INTELLECTUAL HISTORY OF THE UNITED STATES 3.0
 Development and contributions of the thought of individuals and groups, dominant and minority, and their effect on the American mind, traditions and practices.
- HIST 416**
CHURCH AND STATE IN LATIN AMERICA 3.0
 The Roman Catholic Church as the major spiritual institution as well as a cultural, moral, political and economic force in Latin America.
- HIST 419**
AGE OF RENAISSANCE 1350-1517 3.0
 Political, economic, social and broad cultural developments in Italy and Western Europe during 1350-1517.
- HIST 426**
THE NAZI THIRD REICH 3.0
 Major economic, social, political and intellectual developments in 20th century Germany; demise of Weimar Republic and ascension of Nazi Third Reich.
- HIST 427**
THE HOLOCAUST 3.0
 The history of the Holocaust and an overview of its representations in the academic historiography as well as in literary and autobiographical texts.
- HIST 430**
REVOLUTIONS IN LATIN AMERICAN HISTORY 3.0
 Examines and compares the causes, course and consequences of three major social revolutions in Latin America: Mexico (1910), Bolivia (1952), Cuba (1959).
- HIST 431**
DEVELOPMENT OF INDIAN CHARACTER AND CULTURE 3.0
 The historical conditioning of Indian behavior. Culture change in the perspective of colonialism and modernization; contributions of religion to social and political values and modern literature. Cross listed with Anthropology, ANTH 431. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- HIST 432**
DEVELOPMENT OF JAPANESE CHARACTER AND CULTURE 3.0
 The historical conditioning of Japanese behavior. Cultural change in the perspective of traditional periodization of Japanese history. Contributions of religion and philosophy in defining social values. Cross listed with Anthropology, ANTH 432. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- HIST 433**
AMERICAN COLONIAL HISTORY 1607-1763 3.0
 Developments within the English colonies, interactions between England and the colonists, growth of a distinctive American society.
- HIST 434**
AMERICAN REVOLUTION AND EARLY REPUBLIC 1763-1828 3.0
 Analysis of events leading to the war for independence; political, economic and foreign problems of the new nation; the growth of nationalism.
- HIST 435**
THE UNION IN CRISIS 1820-1877 3.0
 Significant events and developments of the period: Jacksonian democracy, westward expansion and sectionalism, the Civil War and Reconstruction.
- HIST 436**
AMERICA IN THE GILDED AGE 3.0
 The forces which contributed to the development of modern, industrialized America; American society and its reaction to changes of the period.
- HIST 437**
AMERICAN SOCIETY IN THE 20TH CENTURY 3.0
 The continuing reactions to the problems of an industrialized America. The New Deal and recent Supreme Court decisions.
- HIST 438**
AMERICA IN THE SIXTIES: THE CRISIS OF CONSENSUS LIBERALISM 3.0
 Analyzes the crisis of American liberalism as that ideology was beset by the consequences of postwar affluence and the growing radicalism during the Kennedy-Johnson administration; and the backlash that developed into the Nixon "New Majority".
- HIST 443**
INTERNSHIP IN HISTORY 3.0
 Opportunity for the advanced student to acquire practical experience working directly with primary sources of history in state and local depositories of historical materials.
- HIST 499**
SELECTED TOPICS 1.0-3.0
 Study in a specific historical period, problem or theme. Particular course offerings will vary. Students may repeat course for up to nine credits as long as individual topic is different. Consult current schedule of courses for semester offering.
- SOSC 401**
METHODS OF TEACHING SOCIAL STUDIES 3.0
 Presents recent trends in educational method in teaching the social studies. A program is presented containing the correlation of subject matter organization in socialized recitation, the teaching of current events, projects in citizenship, and the use of the project-problem as a method of teaching history and civics.

HUMAN ECOLOGY

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Elaine Flint

Human Ecology is concerned with the study of individuals and families, their environments, needs, problems and futures. The department offers twelve concentrations which synthesize, interrelate, and integrate knowledge from other disciplines toward understanding and finding solutions to concerns of individuals and families.

A Bachelor of Science degree in Human Ecology is offered with concentrations in Food and Nutrition-General, Food and Nutrition-Dietetics, Food and Nutrition-Food Technology and Foodservice Management; the Bachelor of Arts degree in Human Ecology is offered in Consumer Affairs, Family and Child Studies-Child Life Specialist, Family and Child Studies-Early and Middle Childhood, Family and Child Studies-Early Childhood, Family and Child Studies-Family Services, Family and Child Studies-Gerontology, Fashion Studies, and Home Economics Education. Students may prepare to teach, work with businesses, agencies, government programs, other institutions and/or pursue graduate study. Many courses are open as electives for those majoring in other fields of study.

Montclair State's Human Ecology unit is accredited by the Council for Professional Development of the American Association of Family and Consumer Sciences. The didactic program in dietetics is approved by the American Dietetics Association.

Human Ecology Major

Semester Hours

Required Courses (All Concentrations)	6
HEMG 270 Individual Management: Theories and Strategies	3
HECO 304 Introduction to Research	3

Concentrations Within the Major

Consumer Affairs Concentration

Semester Hours

Required Courses	32
HENU 182 Nutrition	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEMG 335 Consumers in the Market	3
HEMG 435 Consumer Action	3
HEFM 445 The Inner City Family	3
HEMG 470 Family Management	3
HECO 400 Senior Seminar: The Profession of Home Economics	3
HECO 409 Internship	8
OR	
COED 401 Cooperative Education Experience I	8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)	

12 semester hours in one of the Consumer Affairs emphasis areas listed on the program worksheet

Collateral Courses	24
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3
MKTG 240 Introduction to Marketing	3
PHIL 210 Ethics	3
POLS — Political Science Course	3
PSYC 101 General Psychology I: Growth and Development	3
SPCM 234 Public Speaking	3

Family and Child Studies-Child Life Specialist Concentration (70 semester hours)

Semester Hours

Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Required Courses

HEFM 215 Infant Development	3
OR	
PSYC 320 Developmental Psychology I	3
HEFM 319 Language and Literature for Young Children	3
HEFM 320 Parenting Skills and Resources	3
OR	
HEFM 418 Strategies for Working with Parents	3
HEFM 416 Creative Arts and Expression in the Classroom	3
HLTH 105 Medical Terminology	3
PSYC 235 Psychology of Exceptional Children and Youth	3
SOCI 211 Sociology of Health and Illness	3
OR	
PSYC 302 Health Psychology	3
RELG 269 Death and Dying: Religious Perspectives	3
COED 401 Cooperative Education I	4
(or a combination of COED 401 and COED 402 or HECO 409 Internship to reach an eight (8) credit limit)	

Select 1 course from the following:

COUN 331 Group Dynamics	3
COUN 413 Introduction to Neurolinguistic Programming and Ericksonian Techniques	3
SOCI 337 Methods and Techniques in the Helping Professions	3
PSYC 366 Health Psychology: Applications to the Community	3
PSYC 402 Systems of Psychotherapies	3

Select 2 courses from the following:

BIOL 240 Mammalian Anatomy and Physiology I	3
BIOL 241 Mammalian Anatomy and Physiology II	3
HLTH 307 The Study of Human Diseases	3
HLTH 430 Health Counseling	3
HLTH 455 Core Concepts in the Delivery of Health Care	3
HLTH 460 Systems of Health Services Delivery	3
PSYC 305 Physiological Psychology	3

Family and Child Studies-Early and Middle Childhood Concentration (Elementary Education [K-8] Teacher Certification) (81 semester hours)

Semester Hours

Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Required Human Ecology Courses

HEFM 319 Language and Literature for Young Children	3
HEFM 416 Creative Arts and Expression in the Classroom	3
HEFM 417 Discovery and Problem Solving in the Classroom	3
HEFM 418 Strategies for Working with Parents	3
HEFM 420 Program Planning in Early Childhood Education	3

Professional Sequence Required for K-8 Teacher Certification:	20
CURR 200 Initial Field Experience	1
CURR 400 Teacher, School and Society	3
CURR/EDFD/READ 409 Teaching for Critical Thinking	3
CURR 410 Intermediate Field Experience	1
EDFD 220 Philosophical Orientation to Education	3
PSYC 200 Educational Psychology	3
READ 400 Initial Inquiry into Literacy Development	3
Health and Hygiene Requirement for Teacher Education	3

Professional Semester	13
HECO 491 Departmental Seminar in Student Teaching	1
CURR 402 Seminar in Professional Seminar	1
CURR 411 Student Teaching	8
CURR 435 Effective Teaching/Productive Learning	3

Family and Child Studies—Early Childhood Concentration (Pre-School-Grade 3 [P-3] Teacher Certification) (78 semester hours)

	Semester Hours
Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Collateral Courses	12
EDFD 220 Philosophical Orientation to Education	3
PSYC 200 Educational Psychology	3
PSYC 235 Psychology of the Exceptional Child	3
Health and Hygiene Requirement for Teacher Education	3

Professional Sequence Required for P-3 Teacher Certification:	21
CURR 200 Initial Field Experience	1
CURR/EDFD/READ 409 Teaching for Critical Thinking	3
CURR 410 Intermediate Field Experience	1

ECEL 400 Perspectives on Early Childhood Education: Historical, Philosophical and Social	3
ECEL 417 Problem Solving in Science and Technology	2
ECEL 418 Social and Cultural Context of Families and Communities	2
ECEL 420 Curriculum Development I: Program Planning and Management in Inclusive Early Childhood Settings	3
READ 400 Initial Inquiry into Literacy Development	3
READ 410 Children's Literature for a Multicultural Society	3
OR	
HEFM 319 Language and Literature for Young Children	3

Professional Semester	12
ECEL 435 Curriculum Development II: Content Integration and Assessment	3
CURR 402 Seminar in Professional Education	1
CURR 411 Student Teaching	8

Family and Child Studies—Family Services Concentration (62 semester hours)

	Semester Hours
Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Required Courses	29
HEFM 320 Parenting Skills and Resources	OR
HEFM 418 Strategies for Working with Parents	3
COUN 331 Group Dynamics	3
HLTH 220 Mental Health	3
PHIL 210 Ethics	3
HECO 409 Internship	OR
COED 401 Cooperative Education Experience I	8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)	

Choose one of the following areas of emphasis 9

1. Gerontology	
HEFM 344 Challenge of Aging	3
Select two courses from the following:	
ANTH 350 Anthropology of Aging	OR
SOCI 219 Sociology of Aging	3
HLTH 440 Health Aspects of Aging	3
HLTH 445 Perspectives on Death and Dying	OR
RELG 107 Death and Dying: Religious Perspectives	3
LSPR 322 Wills/Trusts/Probate Law	3
PSYC 268 Psychological Aspects of Aging	3

2. Contemporary Issues	
Select 3 courses from the following:	
COUN 450 Introduction to Alcohol/Drug Counseling	OR
COUN 454 Community Resources in Alcoholism and Substance Abuse Counseling	3
HLTH 213 Perspectives on Drugs	3
HLTH 290 Human Sexuality	OR
PSYC 227 Psychological Aspects of Human Sexuality	3
LSPR 305 Immigration Law	3
PHIL 204 Philosophical Issues in Biomedical Ethics	3
PSYC 235 Psychology of Exceptional Children and Youth	3
PSYC 231 Psychology of Youth and Aggression	3
OR	
SOCI 101 Criminology	3
OR	
SOCI 230 Sociology of Conflict and Violence	3
SOCI 211 Sociology of Health and Illness	3
SOCI 322 Juvenile Delinquency and Juvenile Justice	3

3. Public Policy	
Select three courses from the following:	
COUN 481 Legal Rights of Women	OR
LSLW 391 Women and the Law	3
LSLW 315 The Mediation Process and Its Application	3
LSPR 330 Family Law	3
POLS 324 American Public Policy	3
PSYC 224 Child Rights and Child Advocacy	OR
PSYC 430 Contemporary Issues in Child Advocacy	3

Family and Child Studies—Gerontology Concentration (62 semester hours)

	Semester Hours
Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Gerontology Concentration (Interdisciplinary)	29
HEFM 344 Challenge of Aging (Service-Learning section)	3
COED 401 Cooperative Education I	4
BIOL 243 Human Anatomy and Physiology	4
Select one of the following:	
PSYC 268 Psychological Aspects of Aging	3
PSYC 302 Health Psychology (Service-Learning section)	3
Select one of the following:	
HLTH 440 Health Aspects of Aging (Service-Learning section)	3
PEMJ 340 Fitness and the Aging Process	3
Select one of the following:	
PHIL 210 Ethics	3
PHIL 204 Philosophical Issues in Biomedical Ethics	3
Select one of the following:	
HLTH 445 Perspectives on Death	3
RELG 107 Death and Dying: Religious Perspectives	3
Select 6 semester hours from the following:	
ANTH 350 Anthropology of Aging (Service-Learning section)	3
ENID 398 Autobiography	3
LSPR 322 Wills/Trusts/Probate Law	3
MUTH 100 Introduction to Music Therapy	2
PERL 271 Clinical Experience in Therapeutic Recreation	1
SOCI 219 Sociology of Aging (Service-Learning section)	3

Fashion Studies Concentration (79 semester hours)

	Semester Hours
Required Courses	33
HETX 122 Clothing and Culture	3
HETX 220 Textile and Apparel Industry	3
HETX 298 Textiles I: Introduction	3
HETX 320 Historical Analysis of Costume	3
HETX 325 The Marketing of Fashion	3
HEMG 435 Consumer Action	3
HENU 182 Nutrition	4
HECO 400 Senior Seminar: The Profession of Home Economics	3
HECO 409 Internship	8

Collateral Courses

_____ Studio Art course	3
ARHS 105 Art in Western Civilization: Ancient to Medieval	3
OR	
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
CHEM 100 Introductory Chemistry	4
CMPT 109 Introduction to Computer Applications	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MATH 109 Statistics	3
MGMT 231 Management Processes	3
MKTG 240 Introduction to Marketing	3
Select 4 courses from the following:	
ANTH 100 Cultural Anthropology	3
ARFD 100 Design Foundations of Visual Organization I, 2D	3
HEDN 265 Interior Design	3
HEMG 248 Individual and Family Development over the Life Span	3
HETX 120 Introduction to Apparel Design	3
MGMT 316 Human Resource Management	3
MKTG 307 Retail Store Marketing and Management	3
MKTG 309 Buying and Distribution Strategies	3
MKTG 346 Introduction to International Business	3
MKTG 347 Export/Import Marketing Process	3
PHYS 443 Computer-Aided Drafting: An Introduction	3
PSYC 101 General Psychology I: Growth and Development	3

Food and Nutrition-General Concentration

	Semester Hours
Required Food and Nutrition Core	22
HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Dynamics of Food and Society	3
HENU 182 Nutrition	3
HEFM 248 Individual and Family Development Over the Life Span	3
HENU 255 Meal Design and Management	3
HENU 282 Applied Nutrition in the Life Cycle	4
HENU 357 Experimental Food Science	3
BIOL 254 Applied Microbiology	3
ECON 101 Principles of Economics: Macro	3

OR	
ECON 102 Principles of Economics: Micro	3
HECO 400 Senior Seminar: The Profession of Home Economics	3

Required Courses

HEED 412 Nutrition Education Techniques	3
HEMG 435 Consumer Action	3
Choose 6 credits from the following:	
HEFD 253 Quantity Food Purchasing and Production	3
HENU 382 Advanced Nutrition	4
HENU 456 Research in Foods	3
HENU 482 Nutrition Counseling	3
HECO 408 Workshop in Home Economics: Sensory Evaluation	3

Collateral Courses

CHEM 111 Elements of Chemistry I	3
CHEM 109 College Chemistry Laboratory I	1
CHEM 130 Fundamentals of Organic Chemistry	4
CMPT 108 Computers and Programming	3
OR	
CMPT 109 Introduction to Computer Applications	3
ENWR 210 Newswriting	3

Food and Nutrition-Dietetics Concentration*

	Semester Hours
Required Food and Nutrition Core	22

HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Dynamics of Food and Society	3
HENU 255 Meal Design and Management	3
HENU 182 Nutrition	3
HEFM 248 Individual and Family Development Over the Life Span	3
HENU 282 Applied Nutrition in the Life Cycle	4
HENU 357 Experimental Food Science	3
BIOL 254 Applied Microbiology	3
ECON 101 Principles of Economics: Macro	3

OR	
ECON 102 Principles of Economics: Micro	3
HECO 400 Senior Seminar: The Profession of Home Economics	3

Required Courses

HEFD 252 Quantity Food Purchasing and Production Laboratory	2
HEFD 253 Quantity Food Purchasing and Production	3
HEFD 352 Organization and Management of Foodservice Systems	3
HENU 382 Advanced Nutrition	4
HEED 412 Nutrition Education Techniques	3
HENU 482 Nutrition Counseling	3
HENU 488 Medical Nutrition Therapy	4

Collateral Courses

BIOL 243 Human Anatomy and Physiology	4
CHEM 109 College Chemistry Laboratory I	1
CHEM 111 Elements of Chemistry	3
CHEM 130 Fundamentals of Organic Chemistry	4
CHEM 270 Fundamentals of Biochemistry	5
CMPT 108 Computers and Programming	3
OR	
CMPT 109 Introduction to Computer Applications	3
MATH 109 Statistics	3
MGMT 231 Management Processes	3
PSYC 101 General Psychology I: Growth and Development	3

* This didactic program in dietetics is approved by the American Dietetics Association. Careful advisement is recommended so that requirements of the American Dietetics Association might be met.

Food and Nutrition-Food Technology Concentration

	Semester Hours
Required Food and Nutrition Core	22
HENU 182 Nutrition	3
HEFM 248 Individual and Family Development Over the Life Span	3
HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Dynamics of Food and Society	3

HENU 255	Meal Design and Management	3
HENU 282	Applied Nutrition in the Life Cycle	4
HENU 357	Experimental Food Science	3
BIOL 254	Applied Microbiology	3
ECON 101	Principles of Economics: Macro OR	
ECON 102	Principles of Economics: Micro	3
HECO 400	Senior Seminar: The Profession of Home Economics	3

Required Courses 12

HEFD 254	Foodservice Equipment and Facilities Design OR	
HENU 257	Introductory Food Science	3
HEMG 435	Consumer Action	3
HENU 456	Research in Foods	3
HECO 408	Workshop in Home Economics: Sensory Evaluation	3

Collateral Courses 34

CHEM 120	General Chemistry I	4
CHEM 121	General Chemistry II	4
CHEM 230	Organic Chemistry I	3
CHEM 231	Organic Chemistry II	3
CHEM 232	Experimental Organic Chemistry I	2
CMPT 108	Computers and Programming OR	
CMPT 109	Introduction to Computer Applications	3
MATH 115	Precalculus Mathematics	3
MATH 122	Calculus I	4
PHYS 191	University Physics I	4
PHYS 192	University Physics II	4

Foodservice Management Concentration

Semester Hours

Required Courses 28

HENU 150	Food Composition and Scientific Preparation	3
HENU 153	Dynamics of Food and Society	3
HENU 182	Nutrition	3
HEFM 248	Individual and Family Development Over the Life Span	3
HEFD 252	Quantity Food Purchasing and Production Laboratory	2
HEFD 253	Quantity Food Purchasing and Production	3
HEFD 254	Foodservice Equipment and Facilities Design	3
HEFD 352	Organization and Management of Foodservice Systems	3
HEFD 353	Specialized Food Production	3
HECO 400	Senior Seminar: The Profession of Home Economics	3
HECO 409	Internship OR	

COED 401 Cooperative Education Experience I 8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)

Collateral Courses 41

ACCT 200	Accounting for Non-Business Majors	3
BIOL 110	The Biology of Human Life	4
BIOL 254	Applied Microbiology	3
BSLW 261	Legal Environment of Business I	3
CHEM 107	College Chemistry I	2
CHEM 109	College Chemistry Laboratory I	1
CHEM 130	Fundamentals of Organic Chemistry	4
CMPT 108	Computers and Programming	3
ECON 101	Principles of Economics: Macro	3
ECON 102	Principles of Economics: Micro	3
MGMT 231	Management Processes	3
MGMT 316	Human Resource Management OR	
PSYC 240	Industrial and Organizational Psychology	3
MKTG 240	Introduction to Marketing	3
PSYC 101	General Psychology I: Growth and Development	3

Home Economics Education Concentration

Semester Hours

Required Courses and Collateral 42

HETX 120	Introduction to Apparel Design	3
HETX 122	Clothing and Culture: A Multidisciplinary Study	3
HEFM 141	Interpersonal Relations	3

HENU 150	Food Composition and Scientific Preparation	3
HEDN 160	Equipment in the Home	3
HENU 182	Nutrition	3
HEFM 214	Child Development I	3
HEFM 248	Individual and Family Development Over the Life Span	3
HENU 255	Meal Design and Management	3
HEDN 260	Housing and Society	3
HETX 298	Textiles I: Introduction	3
HECO 400	Senior Seminar: The Profession of Home Economics	3
HEMG 435	Consumer Action	3
HEFM 445	Inner City Family	3
HEMG 470	Family Management	3
HE___	Human Ecology Elective	3
ECON 101	Principles of Economics: Macro	3

Home Economics Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog under Teacher Education Program. In addition, the courses HEED 201 Introduction to Home Economics Education and HEED 309 Teaching of Home Economics must be taken.

Courses of Instruction

HECO 205 WOMEN IN CONTEMPORARY SOCIETY 3.0

Those historical developments and social forces which have shaped the status of women in America. Discussion of current concerns and role options available to today's women. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.

HECO 304 INTRODUCTION TO RESEARCH 3.0

Provides awareness of the contributions of research to the advancement of human welfare. Developing skills for intelligent pursuit and consumption of research. Not open to freshmen.

Prerequisite: Sophomore standing.

HECO 308 INDEPENDENT STUDY 1.0-3.0

Advanced areas of Human Ecology not offered in the regular curriculum.

Prerequisite: Departmental approval.

HECO 400 SENIOR SEMINAR: THE PROFESSION OF HOME ECONOMICS 3.0

A capstone course which explores the integrative nature of the profession of Home Economics and investigates the roles, conflicts and decision-making perspectives for beginning professionals.

Prerequisites: HEFM 248 and HEMG 270 and HENU 182; senior standing; Human Ecology majors only.

HECO 408 WORKSHOP IN HOME ECONOMICS 1.0-3.0

Opportunity to study selected current problems in the field of home economics.

HECO 409 INTERNSHIP 8.0 OR 12.0

Opportunity to work as an intern in a professional setting in business, a community agency or a service organization. Application available in the Human Ecology Department. This course is offered as Pass/Fail only.

Prerequisite: Senior standing; Human Ecology majors only.

HECO 491 DEPARTMENTAL SEMINAR IN STUDENT TEACHING 1.0

An opportunity for students who are engaged in student teaching in Home Economics and Early Childhood Education to share and discuss their ongoing experiences. Analysis of specific situations encountered will be undertaken. Individual problems will be explored. Emphasis will be on becoming a student of the teaching process, as well as on the performance of a student teacher.

Corequisite: Must be taken concurrently with CURR 411.

HEDN 160		
EQUIPMENT IN THE HOME	3.0	
Principles and resources involved in the selection, use and care of equipment in the home.		
HEDN 265		
INTERIOR DESIGN	3.0	
Selection, organization and evaluation of furnishing for the residential environment. Principles and elements of design studied in relation to interior residential space.		
HEED 309		
TEACHING OF HOME ECONOMICS	3.0	
Curriculum development; materials and teaching strategies appropriate to home economics. To be taken semester prior to student teaching.		
<i>Corequisite: CURR 410 Intermediate Field Experience in Education</i>		
HEED 412		
NUTRITION EDUCATION TECHNIQUES	3.0	
Procedures and techniques for developing programs and teaching nutrition to a variety of target populations. Individual and group methods emphasize innovation. Field studies		
<i>Prerequisite: HENU 182 and HENU 282.</i>		
HEFD 252		
QUANTITY FOOD PURCHASING AND PRODUCTION LABORATORY	2.0	
Laboratory experiences to support basic concepts of quantity food purchasing and production. Laboratory assignments off-campus in functioning foodservice facilities. To be taken concurrently with HEFD 253 Quantity Food Purchasing and Production.		
<i>Prerequisite: HEFD 253. Special fee.</i>		
HEFD 253		
QUANTITY FOOD PURCHASING AND PRODUCTION	3.0	
Determining needs, purchasing, storing, preparing and serving food in large volume.		
<i>Prerequisites: HENU 150 and HENU 182.</i>		
HEFD 254		
FOODSERVICE EQUIPMENT AND FACILITIES DESIGN	3.0	
Facilities layout and design. Selection of equipment based on design criteria. Purchasing standards and procedures.		
<i>Prerequisite: HEFD 252.</i>		
HEFD 352		
ORGANIZATION AND MANAGEMENT OF FOODSERVICE SYSTEMS	3.0	
Principles of management, organizational structure, policy and decision-making. The menu in management, budgeting and cost control, sanitation and safety, personnel policies and management.		
<i>Prerequisites: HEFD 252 and MGMT 231.</i>		
HEFD 353		
SPECIALIZED FOOD PRODUCTION	3.0	
Opportunity to study selected problems in food production in various types of foodservice operation. Menu planning and production for special events; terminology and techniques utilized in specialized areas of food production. Laboratory experience is included.		
<i>Prerequisites: HEFD 254 and HEFD 352. Special fee.</i>		
HEFM 141		
INTERPERSONAL RELATIONS	3.0	
Relevant and up-to-date information about meaningful human relationships throughout the life cycle. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.		
HEFM 214		
CHILD DEVELOPMENT I	3.0	
A developmental approach to the young child from conception to age five. The major challenges confronting the developing child mastering the tasks of socialization and understanding the world. Supervised observation and participation with groups of young children for two and one half hours per week, each week of the semester. Field work required.		
<i>Prerequisite: PSYC 101.</i>		
HEFM 248		
INDIVIDUAL AND FAMILY DEVELOPMENT OVER THE LIFESPAN	3.0	
This introductory course provides an overview of human and family development over the life span in the United States and in other societies. The concepts of continuity and change in both individual and family relationships, status and roles will be explored.		
<i>Prerequisite: Human Ecology majors only, all concentrations.</i>		
HEFM 301		
VOLUNTEER IN THE COMMUNITY	2.0-4.0	
The role of the volunteer solving the socio-economic-civic-educational problems facing individuals and families; volunteer participation as an individual and in groups. Field work required.		
HEFM 314		
CHILD DEVELOPMENT II	3.0	
This course focuses on the developmental approach to studying the school-aged child (6-18 years). Physical, emotional, intellectual, social and moral development throughout this age period are studied. The influences of family, peers and society on the developing individual are examined. Field experience is required.		
<i>Prerequisites: HEFM 214; Human Ecology majors only.</i>		
HEFM 315		
FIELD EXPERIENCES IN FAMILY AND CHILD SERVICES	3.0	
Planned supervised experience with selected agencies offering services for families and for children. 35 hours of field work required.		
<i>Prerequisites: HEFM 248 and HEFM 314 and HEFM 141.</i>		
HEFM 319		
LANGUAGE AND LITERATURE FOR YOUNG CHILDREN	3.0	
The qualities of children's expression through language, books, stories and poems; criteria for evaluating material for the pre-school program.		
<i>Prerequisite: Not open to freshmen.</i>		
HEFM 320		
PARENTING SKILLS AND RESOURCES	3.0	
Opportunities for the student to develop effective parenting skills and the knowledge about human development needed for the application of these skills. Impact of parenting resources on both parents and non-parents. Local, state and national resources examined. Assigned activities with children. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.		
HEFM 344		
CHALLENGE OF AGING	3.0	
The change over the adult life span as it affects family interaction and resources in various sub-cultures. Implications for social policy and institutions relative to an increasing aging population. Field participation with agencies and elders; minimum 6 hours contact - more encouraged. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.		
HEFM 414		
ORGANIZATION AND MANAGEMENT OF CHILD CARE CENTERS	3.0	
Basic principles of supervision and administration applied to developing a sound program in a modern pre-school program. The learning process applied to the professional development of staff. Organization and administration of individual classrooms and the total school program; the relationship of the school to community services and agencies.		
<i>Prerequisites: HEFM 214 and junior standing.</i>		
HEFM 416		
CREATIVE ARTS AND EXPRESSION IN THE CLASSROOM	3.0	
Offers students preparing to teach young children an opportunity to learn about the contribution of curriculum experiences designed to nurture the young child's self expression and creativity in the areas of art, music, dramatic play, and manipulative and constructive activities. Examines the role of the teacher in choosing materials and activities as well as designing an environment in which creativity is fostered.		
<i>Prerequisites: HEFM 214 and junior standing; Human Ecology majors only.</i>		

- HEFM 417**
DISCOVERY AND PROBLEM SOLVING IN THE CLASSROOM 3.0
 Offers students preparing to teach young children an opportunity to learn about various ways to design experiences that nurture young children's understandings about their world. Enables students to develop skills and dispositions which motivate children to explore and change that world. Provides background for use of developmentally appropriate integrated experiences in the maths, sciences and technology for young children. Examines the role of the teacher in choosing materials and experiences as well as designing an environment in which exploration and problem solving are fostered.
Prerequisites: HEFM 314; Human Ecology majors only.
- HEFM 418**
STRATEGIES FOR WORKING WITH PARENTS 3.0
 Establishing a positive team approach between the parent and teacher. Parent-teacher interaction. How the teacher interprets parental anxieties, and conducts individual conferences and group meetings.
Prerequisite: HEFM 214.
- HEFM 420**
PROGRAM PLANNING IN EARLY CHILDHOOD EDUCATION 3.0
 Principles of curriculum development for programs for young children. Taken the semester prior to student teaching.
Prerequisite: Admitted to the Teacher Education Program.
Corequisite: CURR 410 Intermediate Field Experience in Education.
- HEFM 445**
THE INNER CITY FAMILY 3.0
 Sub-cultures residing in large cities. The impact of urbanization, ethnicity, social and economic institutions. Problems which families encounter. Community contact is part of the course. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: Junior standing.
- HEFM 448**
FAMILY COUNSELING 3.0
 Techniques and theories of collecting data and counseling families with such problems as money management, nutrition concerns, parent-child relationships and value conflicts.
Prerequisites: HEFM 141 and HEFM 214 and HEFM 248 and senior standing or graduate status.
- HEMG 231**
THE FAMILY IN THE ECONOMIC SYSTEM 3.0
 The family as an economic unit in society. Economic behavior of various sub-cultures, age groups and family patterns. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- HEMG 270**
INDIVIDUAL MANAGEMENT: THEORIES AND STRATEGIES 3.0
 Opportunity to investigate management theories and apply them to personal life. Influences on, and blocks to, personal management, problem solving, planning, and expediting. Required of majors. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- HEMG 331**
MONEY MANAGEMENT 3.0
 The role and meaning of money in individual and family living; understanding income as a means of acquiring a style of life; the effective control of income, spending, savings, credit, and managing resources for future needs.
- HEMG 335**
CONSUMERS IN THE MARKET 3.0
 The consumer perspective of the marketplace. Emphasis on developing research skills and understanding laws, regulations and agencies that affect the consumer.
Prerequisite: Not open to freshmen.
- HEMG 435**
CONSUMER ACTION 3.0
 The market place as a social, psychological and economic institution serving consumers. Emphasis on consumer motivation, market organization, pricing and selling strategies: trends and current issues which affect the quality and availability of goods and services.
Prerequisites: ECON 101 or ECON 102, and HECO 304.
- HEMG 470**
FAMILY MANAGEMENT 3.0
 Opportunity to analyze situations in which individuals and families use resources to maintain daily life and solve problems. Roles, goals, decision making, use of human and nonhuman resources and factors influencing household management.
Prerequisite: HEMG 270.
- HENU 150**
FOOD COMPOSITION AND SCIENTIFIC PREPARATION 3.0
 An introduction to food science, nutrition and food preparation with emphasis on scientific principles involved in the characteristics of acceptable standardized products and product evaluation.
Prerequisite: Special fee.
- HENU 153**
DYNAMICS OF FOOD AND SOCIETY 3.0
 This course is designed to give students an opportunity to explore issues of food consumption through a study of: basic nutrition requirements; social/psychological factors influencing food behaviors; food acquisition through history as compared to contemporary situations; the impact on the ecological system in the quest for food; and the social, economical, and political aspects of the world food situation and potential means of alleviating the problems of hunger and nutrient deficiencies. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- HENU 182**
NUTRITION 3.0
 This course is designed to give students a general knowledge of the components of the food we eat, the nutrients necessary for a healthy life, the functions of nutrients, and the interrelationships and metabolism of nutrients. The factors which influence the recommended dietary intake of nutrients, and theories and guidelines for screening nutrition risk and disease and prevention are presented. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.
- HENU 255**
MEAL DESIGN AND MANAGEMENT 3.0
 A course designed to include the design and delivery of meals for individuals and families. Special emphasis on nutrition and economic needs balanced with current lifestyles. Principles involved in meal management will be practiced and illustrated through class labs.
Prerequisites: HENU 150 and 182. Special fee.
- HENU 257**
INTRODUCTORY FOOD SCIENCE 3.0
 An introduction to the science of food, with emphasis on the study of the constituents of food and the chemical, physical and biological reactions occurring in food that affect safety, nutritional, sensory and economical changes during processing and storage. This course is appropriate for students in food and nutrition, foodservice management, biology, chemistry, and health sciences.
Prerequisites: CHEM 111 or 107 and 109.
- HENU 282**
APPLIED NUTRITION IN THE LIFE CYCLE 4.0
 The application of basic nutrition knowledge to individuals and community agencies. Assessing nutrition problems in community settings and planning and evaluating programs to deal with those problems. Analysis of the physiological, biochemical, psychological and sociological factors that affect nutrient needs throughout the life cycle. Field studies.
Prerequisite: HENU 182.
Prerequisite or corequisite: CHEM 130.
- HENU 357**
EXPERIMENTAL FOOD SCIENCE 3.0
 Study of the theory and applications of the chemical and physical changes involved in food processing, storage and preparation through objective and subjective analytical techniques.
Prerequisites: HENU 150 and CHEM 130. Special fee.
- HENU 382**
ADVANCED NUTRITION 4.0
 The physiological and chemical bases for nutrient needs, mechanisms through which nutrients meet the biological needs of humans, evaluation and interpretation of research findings.
Prerequisites: HENU 182 and BIOL 243 and CHEM 270.

- HENU 456**
RESEARCH IN FOODS 3.0
 Scientific method in the design and execution of experimental food studies and in the interpretation and evaluation of results. Independent laboratory research.
Prerequisite: HENU 357. Special fee.
- HENU 482**
NUTRITION COUNSELING 3.0
 This course offers practical experience dealing with the principles of marketing, adult learning, helping skills, data analysis, record keeping, and evaluation as related to weight control and nutritional assessment. Sixteen hours of clinical experience is required.
Prerequisites: HENU 182 and HENU 282 and HENU 255; HEED 412.
- HENU 488**
MEDICAL NUTRITION THERAPY 4.0
 This course enables students to apply nutrition science to the prevention and treatment of human diseases and medical conditions. Nutrition assessment, diet modification, and specialized nutrition support, such as enteral and parenteral feeding, are covered.
Prerequisites: HENU 182 and HENU 382 and BIOL 243 and CHEM 270.
- HENU 490**
PROFESSIONAL DIETETICS SEMINAR 1.0
 A course for students planning a career in dietetics. Topics include dietetic career options, dietetic internships, approved pre-professional practice programs (AP4) and application procedures. Participation in a dietetic internship or an approved pre-professional practice program (AP4) is required by the American Dietetic Association in order to become a Registered Dietitian. This course is offered as a Pass/Fail only.
Prerequisite: HENU 382.
- HETX 120**
INTRODUCTION TO APPAREL DESIGN 3.0
 Theory and techniques for achieving well-fitted apparel; basic concepts, competencies and technologies using appropriate fabrics, computer aided design, and commercial patterns.
- HETX 122**
CLOTHING AND CULTURE: A MULTIDISCIPLINARY STUDY 3.0
 Analysis of dress in terms of cultural, social, psychological and economic influences. Clothing and adornment choices related to individual concerns, including esthetic, physical and ecological factors. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Electives, Personal/Professional Issues. Meets the Multicultural Awareness Requirement.
- HETX 220**
TEXTILE AND APPAREL INDUSTRY 3.0
 In-depth study of factors which spur progress, affect supply, demand, and ultimately the consumer. History, economic structure and patterns of production, distribution and marketing of textile and apparel industries.
- HETX 226**
ADVANCED CLOTHING CONSTRUCTION 3.0
 A conceptual approach to problems in custom dressmaking; fabric characteristics; selection of appropriate construction techniques; suitability of fashion to the individual.
Prerequisite: HETX 120.
- HETX 298**
TEXTILES I: INTRODUCTION 3.0
 Intensive study of fibers, yarns, fabric constructions, and finishes related to consumer concerns for use, durability, care and cost. For students with a professional interest in textiles and clothing.
- HETX 320**
HISTORICAL ANALYSIS OF COSTUME 3.0
 The development of clothing; clothing usage in terms of social, economic and aesthetic backgrounds.
Prerequisite: Not open to freshmen.
- HETX 325**
THE MARKETING OF FASHION 3.0
 Exploration of the fashion business with an emphasis on the marketing of apparel. Problems and trends at the wholesale and retail levels will be explored.
Prerequisite: Sophomore standing.
- HETX 426**
APPAREL DESIGN: FLAT PATTERN 3.0
 Flat pattern design in developing original designs for apparel. Basic pattern used to execute designs related to the use of fabric on a human form.
Prerequisite: Departmental approval.

INFORMATION AND DECISION SCIENCES

SCHOOL OF BUSINESS

Chairperson: Richard Peterson

There are four major thrusts to the programs offered through this department: Management Information Systems, Office Systems Administration, Quantitative Methods, and Business Education.

Students in the Management Information Systems are provided with knowledge of the theoretical and practical aspects of information management for today's business environment. The department, utilizing the latest in both hardware and software, prepares students to be competitive in today's commercial global economy.

Those students concentrating in Office Systems Administration develop skills and competencies that prepare them for a broad spectrum of careers in the office setting. These careers are often related to areas such as information processing, microcomputer applications, media management, systems development and office administration.

Students in Quantitative Methods program receive training in analytical methods for solving operational research problems in industry. These methods, together with total quality management techniques and computer applications, are handled in depth to permit a student to become comfortable using modern statistical methods.

Students in the Business Education major follow a professional sequence qualifying them for New Jersey teacher certification in a variety of business subjects upon the satisfactory completion of the program and satisfactory achievement on The Praxis II examination. Completion of the Accounting and General Business Education program qualifies students for a Certificate of Eligibility with Advanced Standing in Accounting and General Business as well as an endorsement in Data Processing. An optional endorsement in teaching Typewriting may be earned by completing the two courses identified in the program. Documented work experience is required for certification. Individualized certification programs are also available to post-graduates who desire initial or additional certification in business education.

Business Administration

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINC 321 Fundamentals of Finance	3
FINQ 270 Statistics for Business	3
OR	
INFO 271 Managerial Statistics	3
FINQ 375 Operations Analysis	3
INFO 371 Management Information Systems	3
MGMT 231 Management Processes	3
MGMT 439 Business Policy	3
MKTG 240 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3

Collateral Courses

MATH 113 Mathematics for Business I	3
MATH 114 Mathematics for Business II	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

Management Information Systems Concentration

Required Courses

	Semester Hours
INFO 274 Business Computer Programming	3
INFO 335 Computer Applications in Business	3
INFO 373 Systems Analysis for Business	3
INFO 380 Computer Networks in Business	3
INFO 410 Database Development for Business	3
Select one from the following:	
CMPT 261 Business Data Processing with COBOL	3
INFO 306 Information Systems and Applications	3
INFO 374 Computer Management	3
INFO 488 Business Applications with Artificial Intelligent Systems	3
INFO 490 Decision Support Systems for Business	3
INFO 491 Independent Study in Information Systems	3
INFO 492 Special Topics in Informations Systems	3

Business Administration Electives

Select 9 semester hours from the appropriate list to be obtained from the department9

Office Systems Administration Concentration

Required Courses

	Semester Hours
BEOS 320 Administrative Business Communications	3
BEOS 430 Seminar in Office Systems Administration	3
INFO 306 Information Systems and Applications	3
INFO 321 Information and Media Management	3
INFO 335 Computer Applications in Business	3
Select one of the following:	
BEOS 308 Principles of Office Management	3
BEOS 411 Managing Automated Office Systems	3
MGMT 316 Human Resource Management	3
MGMT 318 Motivation and Leadership	3
MGMT 327 Training, Development, and Career Planning	3

Business Administration Electives

Select 9 semester hours from the appropriate list to be obtained from the department9

Quantitative Methods Concentration

Required Courses

FINQ 372 Management Science	4
Select three from the following:	
FINQ 350 Quality Improvement	3
FINQ 386 Logistics Systems	3
FINQ 463 Administrative Research Methodology and Analysis	3
FINQ 474 Business Forecasting	3
FINQ 475 Quantitative Decision Making for Business	3
INFO 274 Business Computer Programming	3
INFO 374 Computer Management	3

Business Administration Electives

Select 14 semester hours from the appropriate list to be obtained from the department 14

Business Education Major

Accounting and General Business Education

Required Courses

		Semester Hours
ACCT	201 Fundamentals of Accounting I	3
ACCT	202 Fundamentals of Accounting II	3
ACCT	305 Individual and Business Taxes	3
BEOS	320 Administrative Business Communications	3
BSLW	101 Contemporary Business	3
BSLW	264 Legal, Ethical and Global Environment of Business	3
FINC	321 Fundamentals of Finance	3
INFO	306 Information Systems and Applications	3
INFO	335 Computer Applications in Business	3
MGMT	231 Management Processes	3
MGMT	439 Business Policy	3
MKTG	240 Introduction to Marketing	3
Also:	Documentation of 400-800 hours of work experience or completion of a cooperative education experience. (A student must complete a form, to be obtained from the Business Education Coordinator, prior to student teaching.)	

Collateral Courses

INFO	273 Introduction to Computers in Business	3
BSLW	309 Personal Finance	3
MATH	109 Statistics	3
ECON	100 Introduction to Economics	3

Professional Sequence for Teacher Education

CURR	200 Initial Field Experience	1
CURR	400 Teacher, School, and Society	3
CURR	410 Intermediate Field Experience in Education	1
CURR	409 Teaching for Critical Thinking	3
EDFD	220 Philosophical Orientation to Education	3
PSYC	101 General Psychology	3
PSYC	200 Educational Psychology	3
READ	407 Reading: Theory and Process	
OR		
READ	408 Reading: The Content Areas	3
BSLW	401 Principles and Methods Teaching General Business	2
BSLW	402 Principles and Methods of Teaching Accounting	2

Professional Semester

Student Teaching Package (13 s.h.)		
BSED	409 Business Education Professional Seminar	1
CURR	435 Effective Teaching/Productive Learning	3
CURR	402 Seminar in Professional Education	1
CURR	411 Supervised Student Teaching	8

Optional Endorsement: Typewriting

BSLW 203 and BSLW 404 must be taken concurrently.

BSLW	203 Electronic Document Production	1
BSLW	404 Principles and Methods Teaching Keyboarding/Information Processing	1

Teacher Certification

Students pursuing certification must be accepted to the Teacher Education Program. They must follow the professional sequence outlined in this department. See the section entitled Teacher Education Program in this catalog.

Courses of Instruction

BEOS 230

INTRODUCTION TO BUSINESS WORK EXPERIENCE 3.0-6.0
This is an introductory cooperative education course which integrates formal classroom study and assignments with a supervised full-time or part-time off-campus employment experience. The purpose of this course is to develop self awareness and to explore educational and occupational alternatives.

Prerequisites: Sophomore level status (45+ semester hours completed) with a 2.25 minimum grade point average.

BEOS 308

PRINCIPLES OF OFFICE MANAGEMENT 3.0
A study of the most acceptable methods and practices of office administration. Topics include organization and planning of office systems, leadership and human relations, controlling operations and processing of information. Emphasis throughout the course will be on achieving satisfactory human relations and continuous cost reduction. This course counts as an elective within the business major for all concentrations in Business Administration.

Prerequisite: Business Administration or Business Education majors only.

BEOS 320

ADMINISTRATIVE BUSINESS COMMUNICATIONS 3.0
The study of communication processes using special problem applications with a theoretical and practical base. Writing proposals, business correspondence, business plans, and handling electronic messaging are covered. Emphasis is also on using presentation materials to complement interpersonal and organizational communication. This course counts as an elective within the business major for all concentrations in Business Administration.

Prerequisite: Business Administration or Business Education majors only.

BEOS 330

OFFICE SYSTEMS ADMINISTRATION PROFESSIONAL WORK EXPERIENCE PROGRAM 3.0-6.0
This is a cooperative education course specifically for office systems administration majors. Course is designed to integrate formal classroom study and assignments with supervised full-time off-campus employment. It has as its primary goals the development of occupational competencies and pre-professional training.

Prerequisites: Junior or senior status; a 2.45 grade point average; satisfactory completion of BEOS 230 or the equivalent of 6 months of verified full-time work experience; Office Systems Administration concentration declaration for one prior semester plus the completion of 6 semester hours from the Office Systems Administration core courses.

BEOS 411

MANAGING AUTOMATED OFFICE SYSTEMS 3.0
Needed competencies for organizing and administering an automated office system will be emphasized. A systematic approach to designing implementing, controlling, and integrating electronic office systems will be stressed. Various configurations, available technology, and evaluating methods for assessing present and future systems will be investigated.

Prerequisites: INFO 306, and 335, and BEOS 321; Business Administration or Business Education majors only.

BEOS 430

SEMINAR IN OFFICE SYSTEMS ADMINISTRATION 3.0
Current developments in office systems administration will be investigated by student research teams in contemporary administrative office environments. Emphasis will be on helping students develop investigative and analytical skills.

Prerequisites: INFO 306, and 335; and BEOS 321; Business Administration or Business Education majors only.

BSLW 101

CONTEMPORARY BUSINESS 3.0
The organization and operation of contemporary business are explored. Students study the operation of the free enterprise system, alternative economic systems, and the various functional areas of business: finance, management, production, and marketing. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course.

Prerequisite: Cannot be used for degree credit by Business Administration major with more than 64 credits completed toward degree.

- BSED 103**
INTRODUCTION TO KEYBOARDING AND WORD PROCESSING 3.0
 Introduction to Keyboarding and Word Processing is designed for those students who have had little or no previous keyboarding instruction on a computer. The course offers touch keying and skill building on the alphanumeric keyboard, as well as the development of competencies in composing and formatting documents with one of the latest word processing software packages.
- BSED 200**
PERSONAL FINANCE: COMPUTER APPLICATIONS 3.0
 This course is designed to allow students to apply personal finance concepts using Quicken software on the computer. Personal finance concepts and practices such as managing a checking account, credit account, cash account, maintaining home inventory, maintaining a personal balance sheet, income and expense record, tax records, estate planning, home mortgages, and using the INTERNET to facilitate processing of personal finance records are the major components of this course.
Prerequisite: Satisfactory completion of the GER in Computer Science.
- BSED 203**
ELECTRONIC DOCUMENT PRODUCTION 1.0
 Taken in conjunction with Principles and Methods of Teaching Keyboarding/Information Processing. Focusing on the technicalities of document formatting with vocational competency.
Prerequisite: Minimum 45 words per minute proficiency; admission to the Teacher Education program.
Corequisite: BSED 404.
- BSED 309**
PERSONAL FINANCE 3.0
 The role of the consumer in the economy is studied by emphasizing how government and business policies, laws, and practices affect the consumer and his standard of living. Government regulatory laws and regulations, government policies on the control of money and inflation and how they affect the consumers are discussed. Business and labor policies and practices are emphasized in the areas of credit, savings, and housing. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.
- BSED 390**
BUSINESS INDEPENDENT STUDY I 1.0-3.0
 Each student, under the guidance of a faculty sponsor, conducts an in-depth study of a current problem in the business education field and presents a written report of the findings. Admission by application submitted to the department chairperson.
Prerequisite: Departmental approval.
- BSED 391**
BUSINESS INDEPENDENT STUDY II 1.0-3.0
 Each student, under the guidance of a faculty sponsor, is to conduct an in-depth study of a current problem in the business field. A written report of the findings of the study is to be presented. Admission is by application submitted to the department chairperson.
Prerequisite: Departmental approval.
- BSED 401**
PRINCIPLES AND METHODS OF TEACHING GENERAL BUSINESS 2.0
 The methodology of teaching social business subjects, including general business, business law and consumer education. Content, lesson planning, visual aids and evaluation procedures.
Prerequisites: 9 credits of general business courses; admission to Teacher Education program.
- BSED 402**
PRINCIPLES AND METHODS OF TEACHING ACCOUNTING 2.0
 The history and development of accounting instruction and materials, aims and objectives in light of current trends. Textbook selection, lesson planning, classroom procedures, tests and measurements, audio-visual and other teaching aids. A test of subject matter competency is required.
Prerequisite: 9 credits of accounting; admission to Teacher Education program.
- BSED 404**
PRINCIPLES AND METHODS OF TEACHING KEYBOARDING/INFORMATION PROCESSING 1.0
 Principles and Methods of Teaching Keyboarding/Information Processing is taken concurrently with BSED 203 and covers strategies of teaching touch keyboarding and word processing applications. Emphasis is on the psychology of skill development as it applies in the computer environment.
Prerequisites: Minimum 45 words per minute proficiency; admission to Teacher Education program.
Corequisite: BSED 203.
- BSED 409**
BUSINESS EDUCATION PROFESSIONAL SEMINAR 1.0
 Provides a forum for dialogue on problems and concerns in achieving effectiveness on the student teaching experience and subsequent related business education teaching.
Prerequisites: All principles and methods teaching courses as required by specific programs; BSED 401; if applicable BSED 402, 403, 404; admission to the Teacher Education program.
Corequisites: CURR 402, and 411, and 435.
- FINQ 270**
STATISTICS FOR BUSINESS 3.0
 The comprehension and application of modern statistical methods. Topics covered include: probability theory, descriptive statistics, interval estimation, sampling theory, parametric tests of significance, analysis of variance, regression analysis and time series analysis.
Prerequisites: MATH 113 and 114
- FINQ 372**
MANAGEMENT SCIENCE 4.0
 Applied mathematical techniques used to solve a wide variety of problems with special attention to issues, management and production control. Topics include linear programming, transportation and assignment algorithms, pert, inventory models, decision theory, Markov models, queuing theory and simulation.
Prerequisites: FINQ 270, or INFO 271, and MGMT 231; Business Administration majors.
- FINQ 375**
OPERATIONS ANALYSIS 3.0
 Mathematical and statistical methods in the analysis of specific business systems and industrial production activities, inventory control, production planning and scheduling, and capital management. Computers are used to solve problems involving complex systems.
Prerequisite: FINQ 270 or INFO 271; Business Administration majors.
- FINQ 474**
BUSINESS FORECASTING 3.0
 Mathematical and econometric models for short- and long-range business forecasting. Models are evaluated for accuracy and relevance. The computer is used as a tool in developing an automated system.
Prerequisite: FINQ 270 or INFO 271; Business Administration majors.
- INFO 271**
MANAGERIAL STATISTICS 3.0
 Analytic statistics which focuses on tools and methods for improving quality. Topics include Deming's fourteen points, descriptive statistics, summary statistical measures, probability and probability distributions, control charts, regression and design of experiments.
Prerequisites: MATH 113 and 114.
- INFO 273**
INTRODUCTION TO COMPUTERS IN BUSINESS 3.0
 An introduction to the use of information systems in business. Topics that will be covered include computer hardware and software, systems analysis, management information systems, data communications and application development. Students will be introduced to business software packages which will include database management, spreadsheeting and business word processing.
- INFO 274**
BUSINESS COMPUTER PROGRAMMING 3.0
 This is an introductory programming course. The students will learn the basic programming techniques in problem solving using Visual Basic.

- INFO 306**
INFORMATION SYSTEMS AND APPLICATIONS 3.0
 Designed to increase awareness of emerging technologies in telecommunication networks and presentation graphics within a global business environment. Emphasis is on emerging technologies, computer-generated business presentations, and state-of-the-art desktop publishing document production. Students access international information highways through VAX networks and internet for electronic mail and interrogation of worldwide databases. Oral and written presentation skills are developed by reporting results of research through PowerPoint and PageMaker. No previous knowledge of these programs is required. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: INFO 273 or CMPT 109; Business Administration or Business Education major.
- INFO 321**
INFORMATION AND MEDIA MANAGEMENT 3.0
 Includes study of the criteria and methods by which records are created, stored, retrieved, retained and disposed, as well as attention to study of the managerial considerations necessary for effective selection and utilization of equipment, procedures, and personnel. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: Business Administration or Business Education majors only or approval of department chairperson.
- INFO 335**
COMPUTER APPLICATIONS IN BUSINESS 3.0
 A course designed to prepare students to make decisions in the selection and utilization of microcomputer systems and appropriate software for a business environment based on identified needs; the factors to consider in the implementation of microcomputers at different levels of an organization; and the characteristics of specific software applications used in the business environment. The course also provides students with hands-on experience with commercial software packages. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: INFO 273 or CMPT 109; Business Administration or Business Education major.
- INFO 371**
MANAGEMENT INFORMATION SYSTEMS 3.0
 Total information systems from the perspective of organizations. Information from the management point of view; its needs, cost and value. Definition and analysis in the solution of systems problems. The computer as a tool of processing accounting, marketing and financial information for decision-making and policy-setting. (Field work).
Prerequisites: ACCT 202, and MGMT 231, and INFO 273 or CMPT 109, Business Administration or Business Education major.
- INFO 373**
SYSTEMS ANALYSIS FOR BUSINESS 3.0
 The course will cover the following topics from the Management Information systems perspective: systems development life cycle; systems analysis - concepts; systems analysis - tools; systems design - tools; role of the analyst; data modeling; systems modeling/prototyping; logical data flows.
Prerequisites: INFO 371; Business Administration major.
- INFO 374**
COMPUTER MANAGEMENT 3.0
 Optimum selection of computer hardware, software and operating systems among various alternatives, from a cost effectiveness point of view.
Prerequisite: INFO 371; Business Administration majors.
- INFO 380**
COMPUTER NETWORKS IN BUSINESS 3.0
 An introduction to data communication, network design, and distributed information systems. The concepts essential to the design and applications of both communication hardware and software are examined. Emphasis is on the analysis and design of networking applications in business. Management of networks, cost-benefit analysis and evaluation of connectivity options are also covered.
Prerequisite: INFO 371; Business Administration major.
- INFO 410**
DATABASE DEVELOPMENT IN BUSINESS 3.0
 This course provides students an opportunity to examine various issues in all phases of database development, including requirement analysis and data modeling, logical design and physical design, data integrity control, SQL, system management and maintenance. Both structured approach and object-oriented approach are also covered.
Prerequisite: INFO 373; Business Administration major.
- INFO 470**
ELECTRONIC COMMERCE: CREATING BUSINESS VALUE USING INFORMATION TECHNOLOGY 3.0
 This course is designed to provide the student an understanding of the consequences of the introduction of the Internet and the World Wide Web in the way business is conducted. The electronic commerce world is viewed primarily from the point-of-view of MIS. That is, the managerial issues related to the information infrastructure requirements are mainly attended to. Both individuals and organizations have been profoundly affected by related network technologies that have since permutated in form ever since the convergence of advanced communications and information infrastructure and the cable, telephone, television, and telecommunications industries. The student will learn about new forms of business practices in business-to-business, consumer-to-business, and intraorganizational transactions. Specifically, activities in the areas of electronic shopping, publishing, distribution, and collaboration will be explored. The following issues that have arisen as a result of electronic commerce (EC) will be explored: security, authentication, privacy, data encryption, intellectual property rights, freedom of expression using electronic media, fair use policies, legal liabilities, etc. Students will also learn about new organizational forms such as the "virtual" firm that are emerging as a result of EC.
Prerequisite: INFO 371
- INFO 488**
BUSINESS APPLICATION WITH ARTIFICIAL INTELLIGENT (AI) SYSTEMS 3.0
 The course will cover the following topics: knowledge acquisition techniques, knowledge representation, inferencing, case-based reasoning, industrial application, uncertainty issues.
Prerequisite: INFO 371; Business Administration major.
- INFO 490**
DECISION SUPPORT SYSTEMS FOR BUSINESS 3.0
 The course will cover the following topics: decision types and model heuristics in decision making, the role of data and its collection, group decision making, design of DSS and GDSS, neural computing/learning, uncertainty issues.
Prerequisite: INFO 371; Business Administration major.
- INFO 491**
INDEPENDENT STUDY IN INFORMATION SYSTEMS 3.0
 A student, under the guidance of a faculty advisor, will conduct an in-depth study on a current topic in information systems. A project report or a research paper will be produced after this study.
Prerequisite: Departmental approval.
- INFO 492**
SPECIAL TOPICS IN INFORMATION PROCESSING 3.0
 This course covers the topics in the design, implementation, and applications of information systems. The topics also include various information technologies and their applications. The course may be repeated for credit as long as the "special topic" in each course differs from topics previously taken.
Prerequisite: Departmental approval.

JUSTICE STUDIES MAJOR

COLLEGE OF HUMANITIES AND
SOCIAL SCIENCES

Director: David J. Dodd

The Justice Studies major approaches issues of justice from a multidisciplinary vantage point that incorporates Psychology, Sociology, and Legal Studies. The program prepares students for employment in settings such as the criminal justice system, social service agencies, law enforcement, the court system, educational settings, law offices, corporations, and federal or state agencies.

The major provides:

- a comprehensive grounding in the social, cultural, and political issues relevant to an understanding of the justice system in the United States;
- the ability to apply theoretical perspectives to issues in Justice Studies;
- an empirical approach to questions about Justice Studies;
- an appreciation of ethical issues relating to Justice Studies;
- competencies in knowledge, methods, and applications needed for careers and professional development in these areas;
- and field work experience in occupational settings such as child advocacy organizations, law offices, criminal justice agencies, private industry, and the public sector.

The 39 to 41 credit multidisciplinary Justice Studies major consists of a required 15-16 credit core emphasizing the theoretical and applied aspects which are essential background knowledge for all students in the program. The courses in the common core combine a liberal arts approach with a grounding in the theories and methods of the major disciplines involved. The core is enhanced by a required 24-25 credit applied concentration in one of three areas: Child Advocacy, Justice Systems, or Paralegal Studies.

The Child Advocacy Concentration, unique in New Jersey and the region emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. The concentration advisor is Dr. Milton Fuentes.

The Justice Systems Concentration focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. The concentration advisor is Dr. David J. Dodd.

The Paralegal Studies Concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. The concentration advisor is Dr. Lenore Molee.

The Justice Studies major is a program available to both day and evening students.

Note: A student in the Justice Studies major may take more than one concentration. A maximum of six semester hours of overlap is permitted between concentrations.

Justice Studies Major

Semester Hours

Required Common Core: 15-16 semester hours

JUST 200	Perspectives on Justice Studies I	3
JUST 201	Perspectives on Justice Studies II	3
JUST 221	Research in Justice Studies: Social Science Perspectives	3
JUST 312	Research in Justice Studies: Legal Perspectives	3
OR		
LSPR 312	Research in Justice Studies: Legal Perspectives	3
JUST 497	Senior Seminar and Field Experience in Justice Studies (Externship)*	3
OR		
JUST 498	Senior Seminar and Field Experience in Justice Studies (Cooperative Education)**	4

*Variable credit allowed up to 8 semester hours. Semester hours above 3 semester hours are free electives, not included in the semester hours toward the major.

**Variable credit allowed up to 8 semester hours. Semester hours above 4 semester hours are free electives, not included in the semester hours toward the major

Child Advocacy Concentration: 24 semester hours

I. Additional Required Courses: 12 credits

PSYC 201	Child Psychology	3
PSYC 224	Children's Rights and Child Advocacy	3
PSYC 330	Forensic Psychology	3
PSYC 430	Contemporary Issues in Child Advocacy	3

II. Choice of 4 courses from among the following: 12 semester hours. Students must include at least one Legal Studies or Sociology course from the courses listed below.

A. Students must include at least two courses from this group:

PCOM 245	Introduction to Community Psychology	3
PSYC 202	Adolescent Psychology	3
PSYC 231	Psychology of Aggression	3
PSYC 245	Mental Health Issues of Hispanic Americans	3
PSYC 248	Psychology and Law	3
PSYC 246	Psychology of the Black Experience	3
OR		
SOCI 205	Black Family	3

B. Students may include up to two courses from this group:

JUST 499	Selected Topics in Justice Studies	3
LSLW 315	The Mediation Process and Its Applications	3
LSPR 330	Family Law	3
POLS 304	State and Local Government	3
PSYC 265	Psychology of Women	3
SOCI 204	Sociology of the Family	3
SOCI 209	Sociology of Poverty and Welfare	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3

C. With departmental permission, seniors may substitute up to two courses at the 500 level.

Total semester hours for Justice Studies major with concentration in Child Advocacy 39-40

Justice Systems Concentration: 25 semester hours

I. Additional Required Courses: 7 semester hours

SOCI 232	Introduction to Criminal Justice	3
JUST 240	Statistics for Social Research	4

II. Choice of 6 courses from among the following: 18 semester hours. Students must include at least one Legal Studies or Psychology course from the courses listed below.

A. Students must include one course from this group:

SOCI 238	Research Methods in Criminal Justice	3
SOCI 405	Deviance and Social Control	3
SOCI 420	Sociology of Law	3
LSLW 360	Rights, Liberties, and American Justice	3

B. Students must include one course from this group:

SOCI 202	Racial and Ethnic Relations	3
SOCI 315	Social Stratification	3
SOCI 430	Sociology of Gender	3

C. Students must include three courses from this group:

SOCI 101	Criminology	3
SOCI 203	Sociology of Organized Crime	3
SOCI 321	White Collar Crime	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 325	The Sociology of Police	3
SOCI 351	Juries and Justice	3
SOCI 353	Sociology of Corrections	3
POLS 304	State and Local Government	3
PSYC 224	Children's Rights and Child Advocacy	3
JUST 499	Selected Topics in Justice Studies	3

D. Students must include one course from this group:	
SOCI 204	Sociology of the Family 3
SOCI 205	Black Family 3
SOCI 230	Sociology of Conflict and Violence 3
OR	
ANTH 230	Anthropology of Conflict and Violence 3
SOCI 414	Selected Topics in Applied Sociology 3
SOCI 416	Qualitative Research in Sociology 3
LSPR 301	Criminal Law and Procedure 3
OR	
POLS 321	Law in Society: Criminal Law 3
LSLW 315	The Mediation Process and Its Application 3
LSPR 317	Evidence 3
PSYC 202	Adolescent Psychology 3
PSYC 246	Psychology of the Black Experience 3
PSYC 248	Psychology and Law 3
PSYC 330	Forensic Psychology 3
PHIL 206	Philosophical Issues in Law and Justice 3
POLS 324	American Public Policy 3

E. With departmental permission, seniors may substitute up to two courses at the 500 level.

Note: Students in this concentration may take any minor except Criminal Justice.

Total semester hours for Justice Studies major with concentration in Criminal Justice: 40-41

Paralegal Studies Concentration: 24 semester hours

I. Additional Required Courses: 9 semester hours

LSPR 210	Law and Litigation 3
LSPR 339	Computer Applications in the Legal Environment 3
LSPR 362	Legal Writing 3

II. Choice of 5 courses from among the following: 15 semester hours.

Students must include at least one Psychology or Sociology course from the courses listed below.

A. Students must include at least one course from this group:

LSPR 304	Real Estate Law 3
LSPR 306	Contract Law for Paralegals 3
LSPR 310	Fundamentals of Patent, Trademark, and Copyright Law 3
LSPR 322	Wills, Trusts, and Probate Law 3
LSPR 330	Family Law 3
LSPR 336	Corporations and Partnerships 3

B. Students may include up to two courses from this group:

LSPR 301	Criminal Law and Procedure 3
LSPR 317	Evidence 3
LSPR 305	Immigration Law 3
LSPR 308	Negotiation, Mediation and Arbitration 3
LSPR 332	Personal Injury Law 3
LSPR 411	Advanced Patent, Trademark, and Copyright Law 3
LSPR 420	Advanced Civil Litigation 3
LSPR 441	Advanced Computer Systems in the Legal Environment 3
LSPR 438	Trademark Law 3
LSPR 450	Law Office Management and Technology 3
LSPR 460	Advanced Legal Research and Writing 3
LSPR 499	Selected Topics in Paralegal Studies 3

C. Students may include up to two courses from this group:

BSLW 261	Legal Environment of Business I (precludes LSPR 306 major credit) 3
JUST 499	Selected Topics in Justice Studies 3
LSLW 315	The Mediation Process and Its Applications (precludes LSPR 308 major credit) 3
LSLW 360	Rights, Liberties, and American Justice 3
LSLW 388	Trial Techniques and Strategies 3
LSLW 391	Women and the Law 3
LSPR 316	Skills for Bilingual Legal Personnel 3
PHIL/LSLW 324	Legal Reasoning 3
POLS 304	State and Local Government 3
POLS 321	Law in Society: Criminal Law (precludes LSPR 301 major credit) 3

PSYC 224	Children's Rights and Child Advocacy 3
PSYC 245	Mental Health issues of Hispanic Americans 3
PSYC 330	Forensic Psychology 3
PCOM 245	Introduction to Community Psychology 3
SOCI 202	Racial and Ethnic Relations 3
SOCI 232	Introduction to Criminal Justice 3
JUST 240	Statistics for Social Research 3

D. With departmental permission, seniors may substitute up to two courses at the 500 level.

Note: Students in this concentration may take any minor except Paralegal Studies.

Total semester hours for Justice Studies major with concentration in Paralegal Studies 39-40

Optional Areas of Emphasis: See under Paralegal Studies minor.

Courses of Instruction

JUST 200

PERSPECTIVES ON JUSTICE STUDIES I 3.0

An examination of issues, justice, and advocacy from the multidisciplinary perspectives of Legal Studies, Psychology, and Sociology. An exploration and analysis of the legal system with emphasis upon the rights and liberties of the individual as well as alternative forms of dispute resolution. Social behavior, group processes and individual differences. Controversies surrounding justice and injustice including the potential for differential treatment based upon race, gender, age, sexual orientation, and physical ability.

JUST 201

PERSPECTIVES ON JUSTICE STUDIES II 3.0

Experiential study of (1) the judicial process; (2) work roles and careers; (3) institutions; and (4) related issues such as children's rights and dispute resolution within the criminal justice system. Emphasis on the relationship of theory to practice and on the contexts in which tasks are accomplished and roles are performed. Classroom issues are viewed from a real world perspective through field trips, site visits, supervised observations and field work, and integrated through journals, discussions and research.

JUST 221

RESEARCH IN JUSTICE STUDIES:
SOCIAL SCIENCE PERSPECTIVES

3

Introduction to the principles of empirical research and their application in the law and justice system. Examination of sampling, experimental methods, survey methods, and qualitative fieldwork and study of strengths and weaknesses of these methods. Attention to methods for program, family, and individual evaluation. A critical approach to understanding and using "facts" about levels of adult and juvenile crime, causes of crime, public perceptions of crime and punishment, victimization, policing, the courts, and corrections. *Prerequisite: Not open to freshmen.*

JUST 240

STATISTICS FOR SOCIAL RESEARCH

4.0

The use of statistics to summarize data, to show relationships among variables. Evaluating research reports based on statistics. Use of the computer to analyze data. Cross listed with Sociology, SOCI 240.

JUST 312

RESEARCH IN JUSTICE STUDIES: LEGAL PERSPECTIVES

3.0

Study of principles, methods and applications of legal research. Exploration of sources of law including case law, statutory law and administrative regulations. The use of a law library. Familiarization with computer-assisted legal research. Cross listed with Legal Studies, LSPR 312.

Prerequisite: Not open to freshmen.

JUST 496**PEER MENTORING FOR JUSTICE STUDIES****3.0**

Advanced students serve as peer mentors in Justice Studies working with faculty and students to promote academic excellence and positive student culture. They will also solidify knowledge and gain organizational and leadership experience. This course may be repeated once for credit.

Prerequisites: Junior or senior status and departmental permission; Justice Studies majors only.

JUST 497**SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (EXTERNSHIP)****3.0**

Research project and/or field experience with required classroom seminar. May be repeated once for students who choose a second concentration.

Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312; a minimum grade of C- is required in JUST 221 and JUST 312.

JUST 498**SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (COOPERATIVE EDUCATION)****4.0**

Academic study integrated with supervised paid employment. Research project and/or field experience with required classroom seminar. May be repeated once for students who choose a second concentration.

Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312; a minimum grade of C- is required in JUST 221 and JUST 312.

JUST 499**SELECTED TOPICS IN JUSTICE STUDIES****3.0**

Exploration of a timely and significant area of Justice Studies. The specific topic will be announced each time that the course is offered.



LEGAL STUDIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Norma Connolly

The Legal Studies Department at Montclair State University is committed to teaching students about law within the context of a quality liberal arts education. Our mission is to prepare our students for the highly competitive world of law by exposing them to the aspects of critical thinking and analysis, theoretical considerations and practical applications, conflict management, research and writing, and the technological preparedness necessary for those engaging in both the study and practice of law.

We accomplish this mission on several levels. Through general education courses, we teach students to be consumers of law. Through undergraduate programs, we prepare students for a variety of law-related careers through rigorous courses of study which accentuate the interdisciplinary nature of law and provide a sound theoretical foundation as applied in legal settings.

The Department of Legal Studies affords Montclair State students the possibilities of an applied career in law as a paralegal or Pre-Law preparation for a career as an attorney. Both the Paralegal and Pre-Law Programs are minors which may be combined with many diverse majors on campus. The Paralegal Studies program is also offered as a concentration within the Justice Studies Program. A Paralegal Studies Certificate is offered as an entry level paralegal program for post-baccalaureate students. A Master of Arts in Legal Studies is offered as a career enhancement degree for non-lawyer professionals in the legal field.

As University Pre-Law Advisor, Dr. Marilyn Tayler provides Pre-Law students with information and guidance on the law school admissions process and planning an appropriate course of study. Dr. Regina Judge and Dr. Lenore Molee serve as academic and career advisors for undergraduate students in the Paralegal Studies Program. Dr. Jack LeClair serves as department Pre-Law advisor for Paralegal students.

PARALEGAL STUDIES PROGRAM (24 semester hours)

The Paralegal Studies Program offers the student a balanced and varied background in theoretical and practical aspects of law which are necessary for work as a legal assistant. The program develops intellectual and analytical skills, educates students for direct employment opportunities in the legal assistant field, and provides additional career possibilities in combination with a student's major.

The Montclair State University Paralegal Studies Program is the first and only program at a New Jersey state college or university to receive American Bar Association approval. A Certificate of Completion is awarded to all students who meet program standards, fulfill the 24 credit hours required in the Program, and complete a Bachelor's Degree. For undergraduate students, this is an academic minor or a concentration within the Justice Studies major. For Post-Baccalaureate students, it is a certificate program.

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded on transcripts. In Paralegal Studies, optional areas of emphasis are Hispanic Perspectives, Legal Information and Technology, and Patent, Trademark, and Copyright Law.

Paralegal Studies Minor

Semester Hours

I.	Required Courses	9
LSPR	210 Law and Litigation	3
LSPR	312 Foundations of Legal Research	3
LSPR	362 Legal Writing	3
II.	Choice of 4 of the following	9
A.	Students must include at least one course from the following:	
LSPR	304 Real Estate Law	3
LSPR	306 Contract Law	3
LSPR	322 Wills, Trusts, and Probate Law	3
LSPR	330 Family Law	3
LSPR	336 Corporations and Partnerships	3
B.	Students may include up to three courses from the following:	
LSPR	301 Criminal Law and Procedure	3
LSPR	305 Immigration Law	3
LSPR	308 Negotiation, Mediation and Arbitration	3
LSPR	310 Fundamentals of Patent, Trademark and Copyright Law	3
LSPR	317 Evidence	3
LSPR	332 Personal Injury Law	3
LSPR	339 Computer Applications in the Legal Environment	3
LSPR	411 Advanced Patent, Trademark and Copyright Law	3
LSPR	420 Advanced Civil Litigation	3
LSPR	438 Trademark Law	3
LSPR	441 Advanced Computer Applications in the Legal Environment	3
LSPR	450 Law Office Management and Technology	3
LSPR	460 Advanced Legal Research and Writing	3
LSPR	499 Selected Topics in Paralegal Studies	3
C.	Students may include one law-related course from the following:	
LSLW	388 Trial Techniques and Strategies	3
LSPR	316 Skills for Bilingual Legal Personnel	3
	(fluency in Spanish required)	
POLS	321 Law in Society: Criminal Law (instead of LSPR 301)	3
D.	With departmental permission, seniors and post-baccalaureate students who meet all prerequisites, may include up to two courses at the 500 level from the Legal Studies Department.	
III.	LSPR 497 Paralegal Seminar and Internship	3
	OR	
	LSPR 498 Cooperative Education: Paralegal Studies	4 or 8
	Total Semester Hours for the Program	24-25

Optional Areas of Emphasis

By advisement, a student may focus upon optional areas of emphasis in the selection of Group II courses. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office. The required Paralegal Seminar and Internship course will focus upon the student's area of emphasis

- Legal Information and Technology**
(LSPR 339, LSPR 441, and LSPR 450)
- Patent, Trademark, and Copyright Law**
(LSPR 310, LSPR 411, and LSPR 438)
- Hispanic Perspectives** (Fluency in Spanish required)
(LSPR 316, and PSYC 245 or PCOM 245 or SOCI 202)

PRE-LAW STUDIES PROGRAM (24 semester hours)

The Pre-Law Studies Minor at Montclair State University is designed to enhance the preparation of students planning to seek admission to law school by promoting the development of abilities which are considered to be particularly important in the study and practice of law: to reason logically, to analyze complex ideas involving intricate interrelationships, to read with understanding and accuracy, and to write with clarity and precision. Pre-Law Studies is an interdisciplinary program emphasizing critical reasoning, writing and analytical skills. The program offers students a balanced and varied background, enriching the student's academic major, in the acquisition of skills essential for success in the field of law.

Pre-Law Studies Minor

Required Courses: (9 credits)

LSLW 200 Introduction to Law	3
LSPR 312 Foundations of Legal Research	3
LSPR 362 Legal Writing	3

Essential Skills: (9 credits)

ENWR 205 Creative Nonfiction	3
OR	
ENWR 204 Advanced Expository Writing	3
GNHU 182 English Vocabulary: Classical Roots	3
LNGN 250 Language of Propaganda	3
OR	
LNGN 290 Language of the Law (Cross listed with LSPA 290)	3
LSPR 210 Law and Litigation	3
MATH 109 Statistics	3
OR	
MATH 270 Statistics for Business	3
OR	
FINQ 270 Statistics for Business	3
PHIL 106 Logic	3
PHIL 264 Critical Reasoning and Argument	3
PHIL 324 Legal Reasoning (Cross listed with LSLW 324)	3
SPCM 234 Public Speaking	3
SPCM 438 Principles of Persuasion	3

Background Courses: (6 credits)

ACCT 201 Fundamentals of Accounting I	3
OR	
BSED 101 Contemporary Business	3
OR	
ECON 101 Principles of Economics: Macro	3
HIST 117 History of the United States to 1876	3
OR	
HIST 118 History of the United States since 1876	3
LSLW 220 Conflict and Its Resolution	3
OR	
LSPR 315 The Mediation Process and Its Applications	3
OR	
LSLW 499 Selected Topics In Law†	3
OR	
LSLW 388 Trial Techniques and Strategies	3
LSLW 391 Women and the Law	3
PHIL 212 Social and Political Philosophy	3
OR	
PHIL 310 Knowledge, Belief and Truth	3
POLS 101 American Government and Politics	3
OR	
POLS 322 American Constitutional Law: The Federal System	3
OR	
POLS 323 American Constitutional Law: Civil Rights and Liberties	3

Total Semester Hours For The Program 24

† LSLW 497 *Pre-Law Seminar and Internship* or LSLW 498 *Cooperative Education: Pre-Law Studies* may be substituted. LSLW 200, LSPR 312 and LSPR 362 are prerequisites. 2.75 grade point average. Open only to juniors and seniors.

Note: Courses in the Pre-Law Studies Minor may also be counted toward the General Education Requirement (GER) where appropriate.

For further information see the Legal Studies Web Page at: <http://www.chss.montclair.edu/legalstudies>

JUSTICE STUDIES MAJOR, PARALEGAL STUDIES CONCENTRATION

The Legal Studies Department, along with the departments of Psychology and Sociology, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Paralegal Studies. The Paralegal Studies concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Paralegal Studies concentration may take any minor except Paralegal Studies. Dr. Lenore M. Molee serves as advisor for the Paralegal Studies concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

LSLW 200 INTRODUCTION TO LAW 3.0

An introduction to the meaning and functions of law, the powers and the jurisdiction of the courts. An exploration of traditional and evolving areas of law. A survey of the different professions and career options within the legal field. An assessment of the roles and importance of law in the lives of students and the public. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

LSLW 220 CONFLICT AND ITS RESOLUTION 3.0

A study of conflict, its management and resolution. Exploration of conflict management skills, negotiation and mediation. Considerations of culture, gender, race, and age in resolving conflicts. Current developments and practical applications such as peer mediation, negotiation in the workplace, and dispute resolution in the court system. Students may take LSLW 220 or LSPR 308 but, not both courses. Students in the Paralegal Studies minor should take LSPR 308. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Contemporary Issues. Meets the Multicultural Awareness Requirement.

LSLW 315 THE MEDIATION PROCESS AND ITS APPLICATIONS 3.0

Study of the mediation process and its evolution. Analysis of models and applications including: court-annexed, family, municipal court, community, peer, and victim offender mediation. Student participation in role plays, research, and observations of mediation process.

LSLW 324 LEGAL REASONING 3.0

Theoretical foundations for developing models and methods of addressing legal problems. Principles of legal reasoning and argument in the Anglo-American common law tradition. Models of legal reasoning and methodology for resolving legal problems as developed within evolving social and philosophical notions of justice and fairness. Pre-Law Studies Minor. Cross listed with Philosophy and Religion, PHIL 324.

LSLW 360 RIGHTS, LIBERTIES AND AMERICAN JUSTICE 3.0

An integrated approach to the study of individual rights, liberties, and American justice. The development of constitutional law in its social, political, and cultural contexts. The growth of the legal tradition and recent developments in relation to statutory law in shaping the principles of American liberty.

- LSLW 388**
TRIAL TECHNIQUES AND STRATEGIES 3.0
 Strategy, technique and psychology of trials conducted in seminar format is the focus of this class. Students learn trial procedure, rules of evidence and how to implement what they have learned by auditioning for attorney and witness roles, applying theory to an actual legal problem in conjunction with a mock trial, and competition. Students should be prepared to make a time commitment during winter break. Limited enrollment and open only to undergraduates.
- LSLW 390**
INDEPENDENT STUDY IN LAW 3.0
 Guided study of a particular area of law arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of law.
Prerequisite: Departmental approval.
- LSLW 391**
WOMEN AND THE LAW 3.0
 Introduction to and evaluation of the changing patterns of gender-based laws in the United States in terms of the preferences they reflect and the rationales used to justify them. Emphasis on issues which impact upon women's rights, relevant case law which impacts upon the roles and rights of women, and legislation.
- LSLW 497**
PRE-LAW SEMINAR AND INTERNSHIP 3.0
 Field work experience in the legal setting to provide Pre-Law students who have acquired basic skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations.
Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open to juniors and seniors only.
- LSLW 498**
COOPERATIVE EDUCATION: PRE-LAW STUDIES 4.0-8.0
 Academic study integrated with paid employment in the legal setting to provide Pre-Law students who have acquired basic legal skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations.
Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open only to juniors and seniors.
- LSLW 499**
SELECTED TOPICS IN LAW 3.0
 Exploration of a timely and significant area of law. The specific topic will be announced each time that the course is offered.
Prerequisites: Vary according to the topic offered.
- LSPA 290**
LANGUAGE OF THE LAW 3.0
 This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Linguistics, LNGN 290.
- LSPA 399**
SELECTED TOPICS IN LEGAL INTERPRETATION AND TRANSLATION 3.0
 Exploration of timely and significant areas in legal interpretation and translation. Topics will be announced each time that the course is given. The course format is language specific, but the language may vary with each offering.
Prerequisite: Fluency in a language combination (e.g., Spanish/English or American Sign Language/English) will be specified each time the course is given; departmental approval.
- LSPR 210**
LAW AND LITIGATION 3.0
 An introduction to the legal system with a focus on the New Jersey court system. Review of substantive areas of law and application of procedural concepts from initiation of a civil lawsuit through entry of judgment. The unique role and function of attorney and paralegal in the process of client interviewing, ethical considerations, investigation and preparation for trial. Drafting of pleadings and other documents used in litigation and trial. Introduction to Law (LSLW 200) is a recommended prerequisite.
- LSPR 301**
CRIMINAL LAW AND PROCEDURE 3.0
 Legal concepts of criminal law and their application to criminal procedure. Contrast between civil law and criminal law. Study of crimes against persons, property and the public. Searches and seizure, arrest and interrogation. Students may take LSPR 301 or POLS 321 but not both courses as part of the Paralegal minor, the Political Science major or the Criminal Justice minor.
- LSPR 304**
REAL ESTATE LAW 3.0
 Principles of real estate law and transactions. Contracts, mortgages, surveys, title, RESPA. Conveyances of real property from the standpoint of seller and purchaser. Landlord-tenant relations. Forms and documents utilized by paralegals in real estate law.
- LSPR 305**
IMMIGRATION LAW 3.0
 Basic overview of the Immigration and Nationality Act, as well as historical and sociological perspective of United States immigration. Practice and procedure of immigration law as it pertains to both administrative agency processing and consular processing. Visa applications, naturalization, citizenship, deportation, exclusion, asylum and refugee practice.
- LSPR 306**
CONTRACT LAW 3.0
 Theoretical foundations and practical applications of contract law in the common law tradition as modified by the Uniform Commercial Code. Drafting of contracts.
- LSPR 308**
NEGOTIATION, MEDIATION AND ARBITRATION 3.0
 An in-depth study of complementary forms of dispute resolution as compared and contrasted with the traditional judicial system. Students study the theoretical background and receive training in mediation, negotiation and arbitration. Students may take LSLW 220 or LSPR 308 but not both courses. Students in the Paralegal Studies program should take LSPR 308.
- LSPR 310**
FUNDAMENTALS OF PATENT, TRADEMARK AND COPYRIGHT LAW 3.0
 Substantive principles of patent, trademark and copyright law including categories and standards of patentability, categories of trademarks and categories of copyrightable subject matter. Assignment and licensing of such proprietary rights. Litigation involving acts of infringement including related areas of anti-trust law and unfair competition.
- LSPR 312**
FOUNDATION OF LEGAL RESEARCH 3.0
 Study of principles, methods and applications of legal research. Exploration of sources of law including case law, statutory law, and administrative regulations. The use of a law library. Familiarization with computer-assisted legal research. Cross listed with Justice Studies, JUST 312.
Prerequisite: Not open to freshmen.
- LSPR 316**
SKILLS FOR BILINGUAL LEGAL PERSONNEL 3.0
 Translating, interpreting and cultural fluency as applied to the legal field and in particular to the role of bilingual paralegals.
Prerequisite: Fluency in Spanish required.
- LSPR 317**
EVIDENCE 3.0
 An examination of the basic principles and rules governing trial advocacy in federal and state (New Jersey) cases. Areas to be examined include: the hearsay rule and its exceptions, examination of witnesses (lay and expert); impeachment; privileges; real and demonstrative evidence, inference, judicial notice and presumptions.

- LSPR 322**
WILLS, TRUSTS AND PROBATE LAW 3.0
 Basic concepts, practice, and procedures in wills, probate, and trusts. Includes will drafting, estate planning, probate procedures and estate administration. Forms and questionnaires utilized by paralegals in these areas.
- LSPR 330**
FAMILY LAW 3.0
 Basic concepts of family law practice. Study of ceremonial and common-law marriage. Dissolution of marriage and annulment. Financial consequences, including alimony and property distribution. Child custody, adoption, illegitimacy, paternity, and surrogacy. Domestic violence. Familiarization with New Jersey procedures.
- LSPR 332**
PERSONAL INJURY LAW 3.0
 Legal concepts and terminology of personal injury law, both substantive and procedural. Negligence, medical malpractice, products liability. Drafting of pleadings and other documents utilized by paralegals in personal injury practice.
- LSPR 336**
CORPORATIONS AND PARTNERSHIPS 3.0
 Legal characteristics and tax aspects related to sole proprietorships, partnerships, limited partnerships and corporations. Formation, operation and dissolution of the corporate entity. Drafting of legal forms utilized by paralegals in these areas.
- LSPR 339**
COMPUTER APPLICATIONS IN THE LEGAL ENVIRONMENT 3.0
 Applications of computer software in the legal environment. Legal applications of word processing, databases and spreadsheets. Legal software for document generation, document management, financial management, time billing, time and document management, computer-assisted legal research and information management in the workflow process.
Prerequisites: Undergraduates must complete the Computer Science General Education Requirement before taking this course.
- LSPR 362**
LEGAL WRITING 3.0
 Application of legal research, method and analysis to legal writing. Students are required to perform various kinds of legal writing assignments and to demonstrate ability to identify legal problems, analyze them based upon the related law and theory, and solve problems with resulting written work product.
Prerequisite: LSPR 312.
- LSPR 390**
INDEPENDENT STUDY IN PARALEGAL STUDIES 3.0
 Guided study of a particular area of Paralegal Studies arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of Paralegal Studies.
Prerequisite: Departmental approval.
- LSPR 411**
ADVANCED PATENT, TRADEMARK AND COPYRIGHT LAW 3.0
 Procedural principles of patent, trademark and copyright law including prosecution of patent and trademark applications in the United States Patent and Trademark Office, preparation and filing of trademark applications and preparation of applications to register claims to copyright in the United States Copyright Office. Litigation procedures for acts of infringement relating to such proprietary rights.
Prerequisite: LSPR 310.
- LSPR 420**
ADVANCED CIVIL LITIGATION 3.0
 Refinement of substantive and procedural principles relating to all stages of a civil law suit from commencement of suit through judgment and appeal as applied in New Jersey. Theoretical foundations and practical applications in the state court system contrasted with the federal court system.
Prerequisites: LSPR 210 and 312.
- LSPR 438**
TRADEMARK LAW 3.0
 Comprehensive study of procedural and substantive aspects of trademark selection, registration, use, and protection within the context of intellectual property.
- LSPR 441**
ADVANCED COMPUTER SYSTEMS IN THE LEGAL ENVIRONMENT 3.0
 Applications and operation of computer systems, including hardware and software, designed specifically to assist in the practice of law or the management of law office and to provide students with a conceptual basis for evaluation, application and operation of other legal application and systems programs which may become available.
Prerequisites: LSPR 312 and 339.
- LSPR 450**
LAW OFFICE MANAGEMENT AND TECHNOLOGY 3.0
 Theoretical foundations and practical applications of law office management and technology. Hands-on and theoretical problems dealing with work product, human resources, and workflow in assembly, case management, database management, human resource management, and technological interfaces with traditional processes.
- LSPR 460**
ADVANCED LEGAL RESEARCH AND WRITING 3.0
 Refinement of principles and methods of legal research in working with statutes, case law and other legal sources. Application of legal research techniques to practical legal problems. Preparation of more complex legal research projects.
Prerequisites: LSPR 312 and 362.
- LSPR 497**
PARALEGAL SEMINAR AND INTERNSHIP 3.0
 Field work experience of 90 hours in a private sector law office, corporation, bank or public sector agency. Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career option.
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval. Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.
- LSPR 498**
COOPERATIVE EDUCATION: PARALEGAL STUDIES 4.0 or 8.0
 Academic study integrated with supervised paid employment situation in the legal environment outside of the formal classroom setting. Part-time (20 hours per week) or full-time (40 hours per week). Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career options.
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval. Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.
- LSPR 499**
SELECTED TOPICS IN PARALEGAL STUDIES 3.0
 Exploration of a significant area of Paralegal Studies such as administrative law, bankruptcy, environmental law as well as new and evolving legal areas. The specific topic will be announced each time the course is offered.

LINGUISTICS

COLLEGE OF HUMANITIES AND
SOCIAL SCIENCES

Chairperson: Mary E. Call

Human language permeates nearly every facet of our existence and is one of the most important of human activities. The courses in linguistics reflect this fact and explore the many aspects of language: its structure, its history, its relationship to society and to psychological processes, its role in shaping our attitudes, its use in literature, and many other topics.

The department offers general courses for non-majors and specialized courses for majors, as well as a minor program and a variety of courses for students in other fields. In addition, the department offers a choice of a liberal arts major in Linguistics, a Linguistics major with certification in Teaching English as a Second Language (TESL) as a first teaching field, and certification in TESL as a second teaching field. TESL certification is required for teaching ESL in grades K-12 in public schools in the state of New Jersey.

Linguistics majors receive a Bachelor of Arts degree.

Linguistics Major

Required Courses for All Majors: (24 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 300 Syntax	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3

Electives for Liberal Arts: (12 Semester Hours)

LNGN 240 Languages of the World	3
LNGN 255 Language and Gender	3
LNGN 260 Dialectology	3
LNGN 270 History of Linguistics	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 310 Morphology	3
LNGN 325 Principles of Second Language Learning	3
LNGN 370 Comparative and Historical Linguistics	3
LNGN 410 Linguistics and Philosophy	3
LNGN 420 Language and the Mind	3
LNGN 430 Field Methods	3
LNGN 445 Natural Language Processing	3
LNGN 450 Selected Topics in Linguistics	3
LNGN 451 Selected Topics in Linguistics	3
LNGN 478 Independent Study	3
LNGN 479 Independent Study	3
PSYC 290/CMPT 290 Cognitive Science	3
PSYC 348 Psycholinguistics	3
PSYC 490 Seminar in Cognitive Science	3

Total 36

Linguistics Major with TESL Certification

Required Courses for All Majors: (24 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 300 Syntax	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3

Electives for TESL Certification: (12 Semester Hours)

	Semester Hours
LNGN 260 Dialectology	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 325 Principles of Second Language Learning (recommended)	3
LNGN 384 The Grammars of English	3
LNGN 420 Language and the Mind	3
LNGN 450 Selected Topics in Linguistics (with approval of advisor)	3
LNGN 478 Independent Study (with approval of advisor)	3
LNGN 479 Independent Study (with approval of advisor)	3
LNGN 480 Linguistics in Education and Society	3
PSYC 348 Psycholinguistics (recommended)	3

To be eligible for TESL certification students must also be admitted to and fulfill requirements for the Teacher Education Program described elsewhere in this catalog. See Index. Students must have a minimum grade point average (GPA) of 3.0 in their Linguistics courses and a 2.75 GPA overall to be admitted to this program.

Recommended Courses: A non-Indo-European Language (6-12 Semester Hours)

AMSL 101 Beginning American Sign Language I	3
AMSL 102 Beginning American Sign Language II	3
AMSL 201 Intermediate American Sign Language I	3
AMSL 202 Intermediate American Sign Language II	3
CHIN 101 Beginning Chinese I	3
CHIN 102 Beginning Chinese II	3
CHIN 201 Intermediate Chinese I	3
CHIN 202 Intermediate Chinese II	3
JAPN 101 Beginning Japanese I	3
JAPN 102 Beginning Japanese II	3
JAPN 201 Intermediate Japanese I	3
JAPN 202 Intermediate Japanese II	3

Linguistics Minor

Required Course

	Semester Hours
LNGN 210 Introduction to General Linguistics	3

Electives

Select 15 semester hours from the following	15
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 255 Language and Gender	3
LNGN 260 Dialectology	3
LNGN 270 History of Linguistics	3
LNGN 284 History of the English Language	3
LNGN 300 Syntax	3
LNGN 301 Semantics	3

LNGN 325 Principles of Second Language Learning	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3
LNGN 370 Comparative and Historical Linguistics	3
LNGN 384 The Grammars of English	3
LNGN 450 Selected Topics in Linguistics	3
LNGN 451 Selected Topics in Linguistics	3
LNGN 478 Independent Study in Linguistics	3
PSYC 290/CMPT 290 Cognitive Science	3
PSYC 490 Seminar in Cognitive Science	3

Total 18

Certification Program in Teaching English as a Second Language (TESL) as a Second Teaching Field

Linguistics and ESL Methodology:

Six Required Courses: (18 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 245 Language and Culture	3
LNGN 325 Principles of Second Language Learning	3
LNGN 403 Methods and Materials of TESL	3
LNGN 405 Field Experience in TESL	3

Four Recommended Courses: (12 Semester Hours)

LNGN 230 Language in Society	3
LNGN 260 Dialectology	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
PSYC 348 Psycholinguistics	3

English as a Second Language (ESL)

The Linguistics Department offers a full sequence of courses in English as a Second Language for students with limited English proficiency. Class placement is determined by examination.

	Semester Hours
ESOL 051 Intensive ESL I	6
ESOL 152 Intensive ESL II	6
ESOL 153 Intensive ESL III	6
ESOL 154 Intensive ESL IV Advanced Composition	6
ESOL 161 Intermediate Listening and Speaking Skills for Second Language Learners	3
ESOL 162 Intermediate Academic Reading for Second Language Learners	3
ESOL 163 Intermediate Academic Writing for Second Language Learners	3
ESOL 171 Academic Listening and Speaking	3
ESOL 172 Academic Reading	3
ESOL 173 Academic Writing	3
ESOL 310 ESL - Advanced Oral Skills	3
ESOL 311 ESL - Advanced Listening Comprehension	3
ESOL 400 English and Academic Skills	3
ESOL 420 Research Paper Writing for Advanced Second Language Learners	3
ESOL 450 Selected Topics in ESL	3

Courses of Instruction

AMSL 101

BEGINNING AMERICAN SIGN LANGUAGE I 3.0

This course introduces students to American Sign Language (ASL). Students will master basic structures of ASL. They will acquire a sizeable vocabulary, and they will achieve the ability to participate in conversations on a variety of topics.

AMSL 102

BEGINNING AMERICAN SIGN LANGUAGE II 3.0

This course is a continuation of AMSL 101 and is designed to further students' command of American Sign Language (ASL). They will learn additional ASL structures; they will add to their vocabulary; and they will improve their fluency in conversation.

Prerequisite: AMSL 101.

AMSL 201

INTERMEDIATE AMERICAN SIGN LANGUAGE I 3.0

This course builds on the skills acquired in Beginning ASL I and II. Emphasis will be on acquiring the ability to use ASL to converse about a wider range of topics. Students will increase their vocabularies, learn additional sentence types, and improve their skills in the use of the Manual Alphabet.

Prerequisite: AMSL 102.

AMSL 202

INTERMEDIATE AMERICAN SIGN LANGUAGE II 3.0

This course is a continuation of AMSL 201. In addition to an increased vocabulary and greater fluency in the use of ASL, students will learn several structures that are absent from English and many other familiar languages.

Prerequisite: AMSL 201.

CHIN 101

BEGINNING CHINESE I 3.0

The first semester of an introduction to the Chinese language (Mandarin), focusing mainly on speaking and comprehension, with secondary emphasis on reading and writing. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

CHIN 102

BEGINNING CHINESE II 3.0

The second semester of an introduction to the Chinese language (Mandarin), focusing mainly on speaking and comprehension, with secondary emphasis on reading and writing. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: CHIN 101. Special fee.

CHIN 201

INTERMEDIATE CHINESE I 3.0

This is the first semester of a second year course in the Chinese language (Mandarin). The course will continue to build the skills in spoken Chinese developed in Beginning Chinese I and II. However, the focus of this course will be reading and writing. The reading and writing components will be gradually increased to at least fifty per cent of the course content. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: CHIN 101 and 102 or equivalent. Special fee.

CHIN 202

INTERMEDIATE CHINESE II 3.0

This course will complete the Intermediate Chinese (Mandarin) sequence. The increased emphasis on reading and writing, begun in Intermediate Chinese I, will continue. Reading and writing skills, along with vocabulary building, will be the focus of the course, although speaking will continue to be important. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: CHIN 101 and 102 and 201 or equivalent. Special fee.

ESOL 051

INTENSIVE ESL I 6.0

This course is the first in a sequence of four courses for students whose first language is not English. The course aims to develop all four language skills: listening, speaking, reading and writing emphasizing listening comprehension and speaking. The class will meet twice a week for two and a half hours each session. Credits not applicable toward graduation.

Prerequisite: Placement examination required. Special fee.

- ESOL 152**
INTENSIVE ESL II 6.0
 The course is the second in a sequence of four courses for students whose first language is not English. The course aims to continue the development of all four skills: listening, speaking, reading, writing, with special emphasis on reading and vocabulary development. The class will meet twice a week for two and one half hours.
Prerequisite: ESOL 051 or placement examination. Special fee.
- ESOL 153**
INTENSIVE ESL III 6.0
 This is the third in a sequence of four courses for students whose first language is not English. The course is a continuation of ESL II with increased emphasis on reading and writing. The course meets twice a week for two and a half hours.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 154**
INTENSIVE ESL IV ADVANCED COMPOSITION 6.0
 This is the fourth in a sequence of four courses for students whose first language is not English. The course continues working on speaking, listening and reading skills but puts primary emphasis on formal writing. Students will write compositions, essays, etc. focusing on the techniques necessary for academic writing. The class will meet twice a week for two and a half hours.
Prerequisite: ESOL 153 or placement examination. Special fee.
- ESOL 161**
INTERMEDIATE LISTENING AND SPEAKING SKILLS FOR SECOND LANGUAGE LEARNERS 3.0
 This course is an intermediate level course for learners of English. The major focus of the course is on developing fluency and accuracy in speaking and understanding English. Students will learn to narrate, describe, and use outlines and notes to organize presentations. They will also be exposed to authentic English discourse so that they learn to listen for the main idea, identify supporting details, and recognize digressions in conversation as well as in more formal speech.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 162**
INTERMEDIATE ACADEMIC READING FOR SECOND LANGUAGE LEARNERS 3.0
 This is an intermediate level course for learners of English. The course focuses on the development of reading for fluency (without translation) to help students develop the skills necessary for success in college-level courses taught in English. Students will read academically-oriented materials and explore more culturally-based selections such as commercials and advertisements.
Prerequisite: ESOL 152 or placement examination.
- ESOL 163**
INTERMEDIATE ACADEMIC WRITING FOR SECOND LANGUAGE LEARNERS
 This is an intermediate level course for learners of English. The course introduces the student to the process of writing and focuses on the development of paragraphs. As students move from personal to academic writing, linguistic accuracy will be refined through an intensive review of grammar, punctuation and sentence structure.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 171**
ACADEMIC LISTENING AND SPEAKING 3.0
 This is an advanced level course for learners of English. The major focus of the course is on developing the oral communication skills necessary for participation in university level courses taught in English. During the course, students will practice pronunciation, grammatical and listening comprehension skills. Strategies of classroom interaction will also be integrated into the coursework.
Prerequisite: ESOL 161 or placement examination. Special fee.
- ESOL 172**
ACADEMIC READING 3.0
 This is an advanced level course for students whose native language is not English. The major focus of the work in this course is the comprehension of academic English, which is characteristic of university level texts. During the course, students will read texts, participate in classroom discussions and prepare written work based on the texts.
Prerequisite: ESOL 162 or placement examination.
- ESOL 173**
ACADEMIC WRITING 3.0
 This is an advanced level course for students whose native language is not English. The major focus of this course is the preparation of written work in academic English. During the course, students will prepare assignments typical of the kinds of writing required in university level content courses in the United States.
Prerequisite: ESOL 163 or placement examination. Special fee.
- ESOL 310**
ESL - ADVANCED ORAL SKILLS 3.0
 The course is designed to improve the oral language skills of non-native English speakers whose background has emphasized the skills of reading and writing. The course is intended to help develop oral proficiency in students whose oral comprehension and ability to make themselves understood is weak. The course will concentrate on the skill of speaking.
Prerequisite: ESOL 152 or 153 or 154. Special fee.
- ESOL 311**
ESL - ADVANCED LISTENING COMPREHENSION 3.0
 This course is designed to improve the comprehension of spoken English by the non-native speaker whose writing and speaking is acceptable but who has difficulty following classroom lectures and conversations among English speakers.
Prerequisite: ESOL 152 or 153 or 154. Special fee.
- ESOL 400**
ENGLISH AND ACADEMIC SKILLS 3.0
 This course is designed to prepare international graduate students whose English skills need improvement for academic success in classes where English is the medium of instruction. The course will have two major goals: to enhance the students' ability to do academic work in English and to develop in the students an understanding of the culture of North American classrooms.
Prerequisite: Placement examination required. Special fee.
- ESOL 420**
RESEARCH PAPER WRITING FOR ADVANCED SECOND LANGUAGE LEARNERS 3.0
 This is an advanced level course for students whose native language is not English. Students will learn the process (generating topics, formulating theses, drafting, documenting sources, revising, editing and proofreading) of writing a research paper. Students may take this course in conjunction with a content area course requiring a research paper and use the content course paper to meet the requirements of this course.
Prerequisite: ESOL 173 or ESOL 400 or placement examination. Special fee.
- ESOL 450**
SELECTED TOPICS IN ESL 3.0
 Study of English as a second language for special purposes (for example, English for Business or English for History) or the study of particular aspects of English as a second language (for example, Accent Reduction or Note Taking). Topics announced each semester.
Prerequisite: Placement examination or departmental approval.
- JAPN 101**
BEGINNING JAPANESE I 3.0
 A basic introduction to the Japanese language, with emphasis on speaking and understanding. The fundamentals of the Japanese writing system will also be introduced. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: Special fee.
- JAPN 102**
BEGINNING JAPANESE II 3.0
 A continuation of Beginning Japanese I. Additional vocabulary and more complex grammatical forms will be introduced. The emphasis remains on speaking and understanding. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: JAPN 101 or equivalent. Special fee.

- JAPN 201**
INTERMEDIATE JAPANESE I 3.0
 This course continues JAPN 101 and 102 Beginning Japanese I and II and will build on the skills that students have developed in those courses. Students will learn to use a wider variety of more complex structures; they will acquire significantly increased vocabulary; they will improve their pronunciation; and they will gradually gain mastery of the two most difficult aspects of Japanese: its writing system and its system of honorifics. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: JAPN 102 or equivalent. Special fee.
- JAPN 202**
INTERMEDIATE JAPANESE II 3.0
 This course builds on the skills that students have developed in JAPN 201 and will help the students refine their mastery of the spoken and written language, the vocabulary, the grammar, and the writing system. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: JAPN 201 or equivalent. Special fee.
- LNGN 210**
INTRODUCTION TO GENERAL LINGUISTICS 3.0
 The nature and structure of language; the basic techniques for analyzing linguistic structures; phonological, morphological, syntactic and semantic structure of languages, language and dialects; language change; the comparative method in linguistics; human and animal communication; differences between first and second language learning. Required of majors. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.
- LNGN 220**
STRUCTURE OF AMERICAN ENGLISH 3.0
 The phonology, morphology, syntax of American English, geographical and social dialects; traditional, structural and transformational approaches to grammar. Required of majors. Meets the 1983 General Education Requirement (GER)—Foreign Language.
- LNGN 230**
LANGUAGE IN SOCIETY 3.0
 Correlations between language varieties, their functions in particular settings, and the characteristics of their speakers. Black English. The role of second languages within a society: Pidgin, Creole, Lingua Franca, Diglossia, etc. Required of majors. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- LNGN 240**
LANGUAGES OF THE WORLD 3.0
 A survey of the languages of the world from the dual perspectives of their genealogical classification and their typological (or structural) characteristics. It is intended for both majors and non-majors, and presupposes no previous linguistic training.
- LNGN 245**
LANGUAGE AND CULTURE 3.0
 A study of language in its cultural context. Relationship of linguistic to non-linguistic variables: ethnosemantics, linguistic relativity principle, componential analysis. Required of majors. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- LNGN 250**
LANGUAGE OF PROPAGANDA 3.0
 This course is a multidisciplinary approach to the study of the use of language to manipulate and influence opinions via advertising, innuendo, jargon, emotive language, etc. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- LNGN 255**
LANGUAGE AND GENDER 3.0
 A sociolinguistic study of interaction of language with sex and gender. Course includes a survey of the literature on language and gender plus practical experience in collecting and analyzing linguistic data. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
- LNGN 260**
DIALECTOLOGY 3.0
 Principles of dialect study; application to American dialects. The origin and development of American dialects in historical, literary, regional, social and urban perspectives.
- LNGN 270**
HISTORY OF LINGUISTICS 3.0
 Linguistics from the ancient Sanskrit grammarians to the present. Present-day 'schools': structuralism, glossematics, Prague school, London school, tagmemics, stratificational grammar, transformational grammar.
- LNGN 280**
BILINGUALISM 3.0
 Compound and coordinate bilingualism; attitudes, motivation, etc.; functions of languages in multilingual settings; problems of newly-independent, multilingual nations in establishing national and standardized languages; analysis of bilingual speech; problems of educating minority groups in this country whose native language is not English.
- LNGN 284**
HISTORY OF THE ENGLISH LANGUAGE 3.0
 English from its Indo-European origins up to and including the eighteenth-century grammarians. The Germanic strains; old, middle and modern English.
- LNGN 290**
LANGUAGE OF THE LAW 3.0
 This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Legal Studies, LSPA 290.
- LNGN 300**
SYNTAX 3.0
 The study of sentence structure and the theories designed to describe it. Emphasis on structural grammar, the development of Generative Grammar and contemporary theoretical methods for describing sentence structure. Data will be taken from a number of different languages. Required of majors.
Prerequisite: LNGN 210 or departmental approval.
- LNGN 301**
SEMANTICS 3.0
 The systematic and objective study of meaning in language. Topics include: referential meaning, semantic fields, componential analysis, synonymy, polysemy, hyponymy and sequential meaning. Data will be taken from a number of different languages. Either LNGN 301 or LNGN 302 is required of majors.
Prerequisite: LNGN 300.
- LNGN 302**
PRAGMATICS 3.0
 The study of pragmatics, an area of linguistics that examines language as situated speech and studies how context affects the interpretation of meaning. Either LNGN 301 or LNGN 302 is required of majors.
Prerequisite: LNGN 300.
- LNGN 310**
MORPHOLOGY 3.0
 Morphology is the study of the structure of words. Students will learn to analyze words by working with data from many languages, and they will study the kinds of morphological systems that exist in the languages of the world.
Prerequisite: LNGN 210.
- LNGN 325**
PRINCIPLES OF SECOND LANGUAGE LEARNING 3.0
 Theories of second language acquisition; error analysis; individual learner differences; the roles of input, interaction, and formal instruction in language acquisition.

LNGN 331
PHONETICS 3.0
 A comprehensive introduction to phonetics, the study of the production of speech sounds and their acoustic characteristics. Students will learn to identify, classify, and transcribe sounds from a variety of languages. While intended primarily for Linguistics majors, this course will also be of interest to prospective language teachers and to majors in Speech, in Psychology, and in Communication Sciences and Disorders.
Prerequisite: Special fee.

LNGN 332
PHONOLOGY 3.0
 Phonology studies how languages make use of a particular subset of all the possible speech sounds in a systematic way to produce meaningful units like words and sentences. The objectives of this course will be to give students experience in analyzing phonological data from a wide variety of languages and to survey current theories of phonology.
Prerequisites: LNGN 331. Special fee.

LNGN 370
COMPARATIVE AND HISTORICAL LINGUISTICS 3.0
 Similarities and differences among languages and language families at one point in time and as these develop in time; reconstructing the common ancestor of related languages and determining general laws of linguistic change.

LNGN 384
THE GRAMMARS OF ENGLISH 3.0
 A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as means of more effective writing and literary analysis. Cross-listed with English, ENGM 384.

LNGN 403
METHODS AND MATERIALS OF TESL 3.0
 The theory and practice of ESL instruction covering the major methodologies, planning lessons, testing language skills, selecting and developing materials and related topics.

LNGN 405
FIELD EXPERIENCE IN TEACHING ENGLISH AS A SECOND LANGUAGE 3.0
 Opportunity to teach English as a second language will be arranged for each student in the program.

LNGN 420
LANGUAGE AND THE MIND 3.0
 An introduction to the major theoretical and methodological principles of Noam Chomsky's theory of Universal Grammar and what they tell us about structure of the human mind.
Prerequisite: LNGN 210 or PSYC 290.

LNGN 430
FIELD METHODS 3.0
 Collecting linguistic data from an informant; human factors in field work; qualifications of the informant; elicitation techniques.

LNGN 445
NATURAL LANGUAGE PROCESSING 3.0
 This course introduces students to the field of Natural Language Processing, that is, of the applications of computer technology to linguistics. The major topics will include language generation, syntactic parsing, and the analysis and synthesis of speech. Students will learn to write programs in PROLOG, one of the most widely used computer languages in language and artificial intelligence applications.
Prerequisite: Special fee.

LNGN 450
SELECTED TOPICS IN LINGUISTICS 3.0
 Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.

LNGN 451
SELECTED TOPICS IN LINGUISTICS 3.0
 Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.

LNGN 460
TOPICS IN THE STRUCTURE OF A SELECTED LANGUAGE 3.0
 An exploration of a single topic or a small set of topics related to a specific language. Selections of the topic(s) and language will depend on the interests of the students and the instructor, and on the availability of relevant material. The topics will be of general relevance to linguistics, and might relate to phonological, morphological, syntactic, semantic, sociolinguistic, historical, or other issues.
Prerequisite: Departmental approval.

LNGN 478
INDEPENDENT STUDY 3.0
 This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.

LNGN 479
INDEPENDENT STUDY 3.0
 This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.

LITERACY AND EDUCATIONAL MEDIA

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Dierdre Glenn Paul

The mission of the Department of Literacy and Educational Media is to prepare literacy educators to meet present and future literacy demands in our social and political democracy. Our philosophy rests on the belief that literacy development is a lifelong process. The department attempts to educate individuals for personal development, as well as for professional growth. Our goal is to prepare students to assume leadership roles in educational settings, e.g. schools, social service agencies, business, and industry. The curriculum places an emphasis on reflection and critical thinking about professional practice, in addition to the moral and ethical responsibilities of literacy educators.

The department also offers an M.A. in Reading, and course work leading to certification for Reading Teacher, Reading Specialist, Associate Educational Media Specialist and Media Specialist.

Literacy Program

The Literacy Program encompasses several major areas at the undergraduate level. These domains include courses fulfilling general education requisites, teacher education courses specific to literacy development and critical thinking, a literacy minor, and reading strategy courses focused on the enhancement of study skills and reading rate (READ 053 *Basic Reading Skills* and READ 102 *College Reading and Study Skills Improvement* in particular).

READ 105 *Reading: Communicating Through Text* and MEDI 355 *Media in Intercultural Communication* fulfill general education requisites. READ 400 *Initial Inquiry into Literacy Development*, READ 407 *Reading: Theory and Process*, READ 408 *Reading: The Content Areas*, and READ 409 *Teaching for Critical Thinking* (cross-listed with CURR 409 and EDFD 409) are designed to satisfy initial certification for teacher education majors. The Reading minor (with 12 semester hours in related areas) is available. Upon completion of the minor and relevant coursework, students are eligible for the Reading Teacher Certificate.

Reading Minor

The course sequence in Reading will be coordinated with the course sequence in the major program. A minimum of 24 semester hours will be required for the completion of the minor.

Required Courses

	Semester Hours
READ 400 Foundations of Reading Instruction	3
READ 402 Survey of Reading Methods in Secondary Subjects	3
READ 403 Practicum in Reading and the Improvement of Study Skills	3
READ 404 Diagnosis and Treatment of Reading Problems	3
PSYC 235 Psychology of Exceptional Children and Youth (prerequisite)	3

Electives (Departmental)

Select 9 semester hours from the appropriate list to be obtained from the department

Note: Students may take a personal reading improvement program as a service through the Reading and Study Skills Center.

Courses of Instruction

MEDI 355

MEDIA IN INTERCULTURAL COMMUNICATION 3.0

Offered to develop an awareness of the ways in which media are effective for solving problems of communication in intercultural situations. Cultural and technological factors affecting accuracy and meaning in human expression receive major attention. The ability to identify a communications problem between or among cultures, and select and implement a media remedy is stressed. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

READ 053

BASIC READING SKILLS 3.0

An intensive laboratory course for students who must fulfill their minimum basic skills requirement in reading. Non-additive credit. Traditional grading procedures in effect.

READ 102

COLLEGE READING AND STUDY SKILLS IMPROVEMENT 3.0

Workshop for university students whose reading-study problems interfere with school progress. Supervised practice promotes vocabulary growth, flexible speeds, comprehension and recall, skimming, interpretative and critical techniques. Reviewing for examinations, keeping up with daily assignments, taking notes and organizing content.

READ 105

READING: COMMUNICATING THROUGH TEXT 3.0

This course, designed for the general student, will foster a critical understanding of the processes involved in efficient and effective reading. Emphasis will be placed on developing students' life-long reading habits in relation to comprehension, aesthetic sensibilities and analytical skills. Meets the 1983 General Education Requirement (GER)—Communication, Reading.

READ 301

TUTORING AND SMALL GROUP INSTRUCTION 2.0-4.0

Designed to provide tutors, teacher aids, and other personnel with the necessary background of knowledge, skills and understanding to enable them to serve in educational environments in schools, hospitals, prisons, neighborhood youth corps, community action programs, etc. Students enrolled in this course will learn how they can increase the academic performance of the learner; how they can supplement what the instructor in the formal educational environment will do. (Open to undergraduates, volunteers, and personnel from community action programs.) May be taken as an elective or as part of the reading minor.

READ 400

INITIAL INQUIRY INTO LITERACY DEVELOPMENT 3.0

In this course, philosophical, theoretical and pragmatic issues are explored as they pertain to literacy development and the pedagogical decision-making process. The course will enable prospective and in-service teachers to develop an appropriate repertoire of instructional strategies which will enhance literacy instruction. Topics, like language acquisition theory and its connections to the literacy development process and the ways in which literacy development is enhanced in the N-8 classroom will be investigated. The course will also assist students in recognizing the significance of their development as critical readers, writers and thinkers. Field experience in an approved instructional setting is a requisite.

READ 402

SURVEY OF READING METHODS IN SECONDARY SUBJECTS 3.0

The following are explored: the role of good reading for academic and personal success; the physiological, psychological and sociological factors in reading; resources available. The school's responsibility to help the student build reading skills; reading opportunities in the entire curriculum. Field work required.

READ 403

PRACTICUM IN READING AND THE IMPROVEMENT OF STUDY SKILLS 3.0

The following areas are explored: recent materials and research for teaching and learning; the SQ3R approach; taking examinations; reading and problem solving; memory and concentration; taking and organizing reading notes; and the reading of homework assignments. Students tutor collegians in these areas. Field work required.

READ 404

DIAGNOSIS AND TREATMENT OF READING PROBLEMS 3.0

Problems of the handicapped; recent materials and research; evaluative and corrective techniques; diagnostic treatment and methodology are covered. An on-going student diagnosis of a school-age child is required. Field work required.

READ 407

READING: THEORY AND PROCESS 3.0

Designed for classroom and non-classroom personnel whose major responsibility is instructing students. Major focus will be on developing those skills, understandings and competencies about the nature of the reading process in specific word recognition and comprehension strategies, and in classroom diagnostic techniques.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

READ 408

READING: THE CONTENT AREAS 3.0

Designed to enable content area teachers to understand the developmental nature of the reading process and employ specific techniques to facilitate and improve reading competencies.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

READ 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Curriculum and Teaching, CURR 409 and Educational Foundations, EDFD 409.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

READ 410

CHILDREN'S LITERATURE FOR A MULTICULTURAL SOCIETY 3.0

This course seeks to examine multicultural children's literature as both aesthetic form and instructional tool. Students will examine the social, political and educational implications of such literature and its use in classrooms. The course will assist students in recognizing the significance of their development as critical readers, writers and thinkers. Additionally, the course will enable prospective and in-service teachers to serve their students in a more efficacious manner with an enhanced instructional repertoire. Meets the Human and Intercultural Relations Requirement.

MANAGEMENT

SCHOOL OF BUSINESS ADMINISTRATION

Chairperson: Byung Min

The department offers a Bachelor of Science degree in business administration with a concentration in management. Students whose concentration is in management learn about the actual operation of business organization and how to be an effective business leader/manager. Managers must have a thorough understanding of human behavior in organizations in this 21st century's global business environment. Management students will be given opportunities to develop managerial skills in human resources management, small business management, interpersonal relations, international business management and/or strategic management.

Business Administration Major

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	3
OR	
INFO 271 Managerial Statistics	3
MGMT 231 Management Processes	3
FINC 321 Fundamentals of Finance	3
MKTG 340 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

MATH 113 Mathematics for Business I	3
MATH 114 Mathematics for Business II	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

Concentration in Management

The concentration in management provides professional education in organization theory and behavior, the management of human resources, operations, and small business management.

Required Courses

	Semester Hours
MGMT 316 Human Resources Management	3
MGMT 495 Contemporary Issues in Management	3
Select 2 courses from departmental offerings (MGMT)	6

Business Administration Electives

Select 15 semester hours from the appropriate list to be obtained from the department

15

Courses of Instruction

MGMT 231

MANAGEMENT PROCESSES

3.0

To provide undergraduate students a review of classical and modern approaches to the managerial process as it relates to the manager's functions of planning, organizing, communication, motivation, leading, controlling and managing change. Emphasizing new forces in the managerial environment such as workplace diversity and economic globalization, these reviews will be tied to the open-system model and the contingency approach as overall frameworks for understanding organizations and management.

MGMT 315

ORGANIZATIONAL BEHAVIOR

3.0

Major approaches to the study of organizations. Organizational systems and structure, systems of communication, power and influence, organizational conflict, coordination and control, leadership, motivation, interpersonal dynamics and change and renewal.

Prerequisite: MGMT 231.

MGMT 316

HUMAN RESOURCE MANAGEMENT

3.0

Motivating managerial and non-managerial employees; effective use of human resources in the organization. The personnel function, techniques of job analysis, description and evaluation, and overall organizational development particularly with minority group members and female employees.

Prerequisites: MGMT 231 and junior standing and Business Administration, Allied Health Services, Recreation Professions and Human Ecology majors only.

MGMT 327

TRAINING, DEVELOPMENT, AND CAREER PLANNING

3.0

Theory and design of training, development and career planning programs. Assessment of training needs, training and development methods and procedures for evaluating training are considered. Some emphasis is placed on the development of managerial skills through student workshops.

Prerequisite: MGMT 316.

MGMT 335

SMALL BUSINESS MANAGEMENT

3.0

The problems and opportunities of starting and operating a small business. Capital accumulation, adapting technologies to specialized needs, assessing local market opportunities, governmental aids, establishing working relationships with large organizations and problems of growth.

Prerequisites: ACCT 202 and ECON 101 and ECON 102 and MGMT 231 and MKTG 240.

MGMT 336

INTERNATIONAL BUSINESS MANAGEMENT

3.0

Managing organizations in foreign markets is much more complex than managing them in the domestic market. This course emphasizes international/cross-cultural management, including the impact of the foreign country's culture, legal system, government, economics, technology, and political system on entry strategies, organizational structures, leadership styles, motivation techniques, human resources management, and controls.

Prerequisite: MGMT 231.

MGMT 363

BUSINESS AND SOCIETY

3.0

Business as an institution in our pluralistic society; its relationship with other societal elements such as government, academia, labor and the consumer. American business past, present and future: strengths, weaknesses and overall contribution to society; ecology, minority groups and the quantity and quality of economic growth. Meets 1983 the General Education Requirement (GER)—Contemporary Issues.

MGMT 392

BUSINESS INTERNSHIP

1.0-3.0

Full-time on-the-job experience in a business organization under college supervision. During this experience, the student investigates and discusses in a seminar such topics as job analysis, description, study guides, training techniques and problems.

Prerequisite: Departmental approval.

MGMT 433
ENTREPRENEURSHIP AND INNOVATION 3.0
Attitudes and perspectives for effecting meaningful and profitable change. Concepts of creativity, optimum use of resources, and the impact of technological change. Anticipating needs and wants of all groups influenced by the enterprise; examples of successful entrepreneurship, role-playing and situational exercises.

Prerequisite: MGMT 231 and FINC 321 and MKTG 240.

MGMT 436
PROJECT MANAGEMENT 3.0
This course prepares students to develop a project management plan, develop schedules, estimate personnel requirements and estimate costs and delays for typical project management problems in business. May be repeated once for a total of six semester hours.

Prerequisites: MGMT 231 and MGMT 316 and FINQ 375.

MGMT 439
BUSINESS POLICY 3.0
This is the capstone course in the Business curriculum which requires students to integrate and build on the knowledge and skills acquired in the business core courses. The course emphasizes the use of business skills in the formulation and implementation of strategy through processes such as stake holder audits, industry analysis, value chain analysis, identification of capabilities and competence, and business and corporate strategy selection in both the domestic and international context. To accomplish this the case study instructional method is used as the primary format.

Prerequisites: ACCT 202 and FINC 321 and MGMT 231 and MKTG 240; senior standing; School of Business majors only.

MGMT 492
SELECTED TOPICS IN MANAGEMENT 1.0-3.0
The content of this course varies with each offering. Its purpose is to provide for the comprehensive development and study of an advanced topic of current interest not covered in-depth in the regular curriculum. Examples of topics covered in the past include: labor relations; women in management; and data base management systems.

Prerequisite: Departmental approval.

MGMT 495
CONTEMPORARY ISSUES IN MANAGEMENT 3.0
The capstone course in management that addresses issues at the forefront of management practice and scholarship. Delivered in a seminar and experiential format, this course will cover topics such as Teams and Teamwork, Learning Organizations and Creativity, and New Forms of Organizing such as telecommuting.

Prerequisites: Senior standing and MGMT 231 and MKTG 346 and INFO 371.

MARKETING

SCHOOL OF BUSINESS

Chairperson: John McGinnis

Marketing as a discipline involves itself with analyzing consumer and industrial needs in a constantly changing environment. Marketing managers then take this information and reflect it in an appropriate marketing strategy that is congruent with those needs.

The programs in this department provide students with a knowledge of the theoretical and practical aspects of the discipline. Courses in advertising, consumer behavior, sales concepts and practices, retail store marketing and management, marketing research and strategies prepare students for entry-level positions and potential advancement in marketing careers. Our program in international business provides awareness of international market opportunities, export/import licensing and a well chosen sequence of courses sharpening analytical, creative, and decision-making skills.

The department offers a Bachelor of Science degree in Business Administration with the following three concentrations available: International Business; Marketing; and Retail Merchandising and Management.

Business Administration Major

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINQ 270 Statistics for Business	3
OR	
INFO 271 Managerial Statistics	3
FINC 321 Fundamentals of Finance	3
MKTG 240 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3
INFO 371 Management Information Systems	3
FINQ 375 Operations Analysis	3
MGMT 439 Business Policy	3

Collateral Courses

MATH 113 Mathematics for Business I	3
MATH 114 Mathematics for Business II	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
Two courses from two of the following departments:	
Anthropology, Psychology, Sociology	6

Concentration in Marketing

Required Courses

MKTG 442 Marketing Research	3
MKTG 446 Marketing Strategy and Implementation	3
Select one of the following:	
MKTG 307 Retail Store Marketing and Management	3
MKTG 341 Consumer Behavior	3
MKTG 443 Business to Business Marketing	3
Select two additional courses from departmental offerings (MKTG)	6

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Concentration in International Business

Required Courses

	Semester Hours
ECON 402 International Economics	3
Select one of the following:	
MKTG 347 Export/Import Marketing Process	3
MKTG 349 International Marketing	3

Select two courses from the following:

BSLW 400 International Business Law	3
ECON 320 Latin American Environments and Economies in a Global Framework	3
ECON 403 Comparative Economic Systems	3
FINC 327 International Financial Management	3
FINC 431 Advanced International Financial Management	3
MGMT 336 International Business Management	3
MKAD 392 International Business Internship	3
MKTG 347 Export/Import Marketing Process	3
MKTG 349 International Marketing	3
MKTG 440 International Retailing	3

Business Administration Electives

Select 15 semester hours from the appropriate list to be obtained from the department 15

Concentration in Retail Merchandising and Management

Required Courses

	Semester Hours
MKTG 307 Retail Store Marketing and Management	3
MKTG 309 Buying and Distribution Strategies	3
MKTG 351 Supervised Work Experience and Seminar I	3
MKTG 482 Independent Owned and Franchised Retailer	3
MKTG 483 Seminar in Retail Management	3

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Courses of Instruction

MKAD 392

INTERNATIONAL BUSINESS INTERNSHIP 1.0-3.0
Students are afforded an opportunity to apply classroom theoretics to practical international business issues. Working with regional small and mid-size businesses, the students' training allows them to compile database market feasibility studies for clients of the International Trade Counseling Center (ITCC). Additional assignments may include: evaluation of the firm's export readiness, basic export/import education, development of customized international marketing plans as well as information about documentation and licensing requirements.

Prerequisite: Departmental approval.

MKAD 492

SELECTED TOPICS IN MARKETING MANAGEMENT AND GLOBAL ISSUES 1.0-3.0

This independently arranged educational exposure allows students to transfer 1 to 3 credits of the co-op educational job experience to the major elective category. Job positions must involve marketing, management, retailing, and international business applications for credit to be transferred.

Prerequisite: Departmental approval.

- MKTG 240**
INTRODUCTION TO MARKETING 3.0
 This introductory course is designed to expose the student to the basic areas that comprise marketing as a discipline. Marketing is viewed as a process that must be integrated with all other business functions. The basic theories, concepts, language and tools of marketing are introduced and illustrations of their applicability to the business as well as non-profit sectors of the national economy with increasing stress on the global realities which affect the marketing function is addressed. The increasingly powerful global realities which affect marketing are treated with enhanced coverage.
- MKTG 307**
RETAIL STORE MARKETING AND MANAGEMENT 3.0
 Detailed coverage of the organization of retail stores and the responsibilities in each area are important studies of this course. Problems involved in the operation of a retail organization, and the preparation for the opening of such a business is studied. The movement of merchandise from resources to the store (logistics) is part of the subject matter. The preparation of the merchandise for resale, the use of computers, uniform product codes, inventory control are primary subject areas covered. Subject matter includes current developments, challenges and dangers in retailing. The changes and challenges to shopping malls, the growth and effect of category killers and the consolidation of retail ownership are important areas discussed. Retailer executives visit classroom to contribute to the class work.
Prerequisite: MKTG 240. Major within the School of Business; Human Ecology majors.
- MKTG 309**
BUYING AND DISTRIBUTION STRATEGIES 3.0
 Buying practices that have changed since the development of giant retail organizations (Wal-Mart and Home Depot) are studied and the effect it has had on "traditional" buying. Other areas covered are the functions of the merchandise division and the job challenges today. Micro-retailing, the buying and merchandise problems of today's stores are covered. Physical handling, comparison shopping, planning the buyer's budget and the six-month buying plans are also important topics. Buying for fashion vs. staple merchandise is compared as are the different problems of buying for a large or small retail firm. Resident buying offices and foreign buying are important topics in this buying course.
- MKTG 341**
CONSUMER BEHAVIOR 3.0
 An examination and analysis of consumer behavior related theories and concepts, which contribute towards successful domestic and international marketing management. This will include understanding behavioral science findings; market research techniques and consumer attitudes; socio-economic and demographic variables as they apply to end-user consumers.
Prerequisite: MKTG 240. Major within the School of Business; Human Ecology majors; Recreation Professions major.
- MKTG 342**
SALES CONCEPTS AND PRACTICES 3.0
 Understanding organization, administration and evaluation of the selling function within the firm. Topics will include: mechanics of the selling process, developing personal attributes necessary for a career in sales; selection, training, and supervision; performance evaluation; compensation and motivation of sales personnel and relationship with other marketing functions.
Prerequisite: MKTG 240.
- MKTG 343**
DIRECT MARKETING 3.0
 Direct marketing continues to evolve as an information-driven marketing process, and its applications are expanding in all facets of the domestic and global economy. The students will be introduced to all aspects of direct marketing that enable marketers to develop, test, implement, measure, and appropriately modify customized marketing programs and strategies. The course will emphasize the role of database management in developing customer relationships in consumer, business-to-business and services sectors. The course will present telemarketing, direct mail, catalogs, broadcasting and electric medium with practical illustrations. Development and implementation of direct marketing methods will be instructed through lectures, executive presentations, case studies, corporate visits and "hands on" approach using personal computers.
Prerequisite: MKTG 240.
- MKTG 344**
ADVERTISING THEORY AND TECHNIQUES 3.0
 A broad introduction to advertising, promotion and marketing communications: historical roots of advertising; advertising from the viewpoint of clients, ad agencies and media; and both the marketing aspects (strategy development; account management) and creative aspects (copyrighting; art direction production and editing) of advertising. Covers all forms of advertising: print, broadcast; out-of home; and the latest advertising media such as direct mail and response; cable TV; and internet/interactive. In addition to traditional lectures, guest lectures are provided by the advertising professionals. Students also have a practical opportunity to create ads and commercials.
Prerequisite: MKTG 240.
- MKTG 345**
SERVICE AND NONPROFIT MARKETING 3.0
 While noting the increasingly blurred distinction between the manufacturing and service sectors in today's post industrial economies, the first half of this course focuses on the problems and issues surrounding the effective marketing of the intangible aspects of a product service offering. Current methods for researching and analyzing service markets are taught and then applied by students in marketing plan formulation and case analyses with particular stress placed on translating the intangible aspects of a service into more measurable (and therefore, tangibles) characteristics aimed at enhancing customer satisfaction and retention. The second part of the course focuses on the nonprofit marketing, i.e., public and private nonprofit organizations. Students learn how to manage organizations such as government, religious, charitable, political, educational, and fund raising, institutions as well as marketing their endeavors more effectively.
Prerequisite: MKTG 240.
- MKTG 346**
INTRODUCTION TO INTERNATIONAL BUSINESS 3.0
 The course is designed to introduce business majors to the dynamics of global economy, trade and development and its linkage with the U.S. economy. Business students will get acquainted with the fundamentals of international economics, foreign exchange, monetary systems and financial markets, international trade and investment, the role of international organizations and agencies, international marketing, international accounting systems and taxation, cultural challenge, management styles and practices across the nations.
Prerequisites: ECON 101 and ECON 102. Major within the School of Business; Human Ecology majors.
- MKTG 347**
EXPORT/IMPORT MARKETING PROCESS 3.0
 This course will cover all aspects of the export/import function from a marketing process standpoint. Topics include: export/import policies — national and international environment; government programs and incentives to promote exports; tariff systems; choosing export markets and analyzing exports and imports; developing an export program; setting up an export organization; export/import financing; export/import documentation; export pricing; packaging, shipping, traffic and insurance.
Prerequisite: MKTG 346. Major within the School of Business.
- MKTG 349**
INTERNATIONAL MARKETING 3.0
 This course reviews and compares the marketing efforts and specific strategies which firms employ in different cultural, political, economic, and legal environments. Students examine changing international markets, exploring how firms need to quickly adapt to global competition. Issues to be examined include global sourcing, international alliances, export regulation, regional trade areas, and the influence of multinational firms.
Prerequisite: MKTG 240 and MKTG 346; major within the School of Business.
- MKTG 350**
PHARMACEUTICAL AND HEALTH CARE MARKETING 3.0
 A broad overview of the unique roles played by consumers, health care professionals, pharmacists, drug manufacturers, hospitals, clinics, government agencies, health insurers and others in this field that represents more than 20 percent of national GDP. Students learn how a complex mosaic of market, economic, social and governmental forces make these dynamic arenas in which to apply marketing theories, strategies and techniques. Team-teaching approach, as well as guest lecturers from the pharmaceutical and health care fields.
Prerequisite: MKTG 240.

- MKTG 351**
SUPERVISED WORK EXPERIENCE AND SEMINAR I 3.0
 Full-time paid work experience (approximately 400 hours) in a cooperating department, mass merchandise (discount), specialty or limited-price variety store is required. An evening seminar on store activities and student experiences is held. Trainees are required to submit regular progress reports of the ten to twelve week of experience. Other assignments are given to the student related to the student's particular job assignment. This course is usually taken in the summer following the student's sophomore year. A faculty visitation to the job site is made.
Prerequisite: Departmental approval.
- MKTG 352**
EVENT MARKETING PRACTICUM 2.0-3.0
 Students participate in the planning, promotion, and assessment of one or more major departmental events. Students will be introduced to project management tools (e.g., PERT) and principles of TQM by a faculty team leader/coach who will then guide students from the event's inception to its completion. In this process, students cultivate cross-functional team-building skills through continuous improvement of these annual events.
Prerequisite: Departmental approval.
- MKTG 399**
BUSINESS WORK EXPERIENCE II 3.0-6.0
 Business Work Experience II integrates classroom study with supervised work experience and intensifies the experience gained through participation in Introduction to Business Work Experience. This course will develop, through practical experience, the student's expertise in the major field of study by providing a bridge from the academic environment to the world of the entering professional.
Prerequisite: Departmental approval.
- MKTG 440**
INTERNATIONAL RETAILING 3.0
 A study of international retailing covering such areas as: (1) retail institutions mod operandi variations from country to country, (2) effects of economic growth, cultural, legal-political and technological environment, (3) the West versus less developed countries in Asia, Africa, Latin America and the emerging free Eastern Europe, (4) know-how of retailing: business concepts, operating policies, managerial dimensions, (5) foreign direct investments in retailing.
Prerequisite: MKTG 346.
- MKTG 442**
MARKETING RESEARCH 3.0
 A broad overview of the many methods used to collect consumer, business and market data and turn it into useful information for marketing decision-makers. Starting with the historical factors leading to development of MR in America, this course touches on all the vital theories, methods, and practices: secondary research (including databases and computer literature searches); qualitative (focus group) research; quantitative research (observational, surveys and experiments); data analysis (coding, tabulation, and an introduction to multivariate techniques); and effective communication of research findings (written reports, personal presentations, computer graphics and mapping.) The course includes student research projects, field trips and a MR videotape series produced at MSU, as well as traditional lectures.
Prerequisite: MKTG 240, and FINQ 270 or INFO 271.
- MKTG 443**
BUSINESS TO BUSINESS MARKETING 3.0
 A managerial approach to marketing decision marketing from an organizational buyer perspective. Topics include: vendor and value-chain analysis, understanding JIT/cycle time systems and inventory controls; sales forecasting, market planning and strategy development grounded in a fundamental understanding of all aspects of organizational buyer dynamics.
Prerequisite: MKTG 240; major within the School of Business.
- MKTG 446**
MARKETING STRATEGY AND IMPLEMENTATION 3.0
 An analysis of the marketing planning process in relationship to overall corporate strategic planning framework is presented from both a theoretical and a practical perspective. An increased understanding of the many variables involved in marketing decision-making and an awareness of current, more sophisticated techniques used in such problem solving are analyzed. This capstone course integrates materials from the entire marketing curriculum in an applied format utilizing group case analysis, marketing simulations and market/business plan production.
Prerequisite: Seniors only.
Prerequisite or Corequisite: MKTG 442.
- MKTG 451**
SUPERVISED WORK EXPERIENCE AND SEMINAR II 3.0
 Student is expected to work (approximately 400 hours) at an acceptable position in a retail store. The position must be more advanced in obligations and responsibilities than in MKTG 351. This course gives the student the opportunity to utilize the knowledge and experience obtained in the previous summer's work experience. This more challenging and different position helps the student understand the more complex responsibilities of a retail store. A faculty visitation on the job site is made.
Prerequisite: MKTG 351.
- MKTG 482**
INDEPENDENT-OWNED AND FRANCHISED RETAILING 3.0
 The opportunities and challenges of independent and franchised retail entrepreneurship are explored. Emphasis is placed on the steps necessary to establish a new retail venture and how to successfully compete with the discount mass merchandisers which proliferate today's retail landscape.
Prerequisites: MKTG 240.
- MKTG 483**
SEMINAR IN RETAIL MANAGEMENT 3.0
 Students analyze current trends/problems in the major retail segments and study the "best practices" of the top domestic and international retailers. In addition, the various ethical/legal dilemmas confronting today's retail executive are explored. Visiting experts, field trips, and reading assignments from current retail trade journals are utilized to keep the course on the "cutting edge." Students routinely use computer spreadsheets to analyze various retail problems and assist their decision-making.
Prerequisites: Departmental approval.
- MKTG 490**
MARKETING INTERNSHIP 3.0
 Working with public and private organizations (for profit), students are afforded an opportunity to apply classroom theoretics to real-world job situations. Illustrative engagements include team coordinated marketing research and advertising effectiveness studies; sales assistantships, public relations and retailing and distribution experiences. Market analysis and product feasibility and assessment exposures are accompanied by more organizationally tailored practical experiences in cultivating the student's resume.
Prerequisite: Departmental approval.
- MKTG 492**
INDEPENDENT STUDY IN MARKETING 1.0-3.0
 An opportunity for a student to study or engage in a topic currently not covered in existing course selections or to take a required course normally given, but unavailable in conventional format.
Prerequisite: Departmental approval.
- MKTG 493**
SPECIAL TOPICS IN MARKETING 1.0-3.0
 An examination of topics not covered in normal marketing course work. Course to be given on demand with topics varying according to current issues arranged between faculty and student.
Prerequisite: Departmental approval.

Students are afforded an opportunity to cultivate team-building and communication skills (verbal and written format) as they engage in addressing current issues and problems in the field of marketing and global management. Presentation skills are honed utilizing the most current audio visual and computerized hardware and software enhancements. A market/customer-driven Total Quality Management (TQM) focus aimed at cultivating sustainable competitive advantage underlies the process.

MATHEMATICAL SCIENCES

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Helen Marcus Roberts

The Department of Mathematical Sciences offers programs leading to the Bachelor of Science Degree in Mathematics and the Bachelor of Science Degree in Physics. In particular, the Department offers a major in Mathematics, a major in Mathematics with a concentration in applied Mathematics, a major in Mathematics with certification as a teacher of mathematics, a major in Physics, a major in Physics with certification as a teacher of Physics, a minor in Mathematics, and a minor in Physics. There are honor programs in Mathematics and Physics for qualified students. The Applied Mathematics concentration has two tracks: (1) Statistics and (2) Discrete Applied Mathematics and Operations Research.

The programs introduce central ideas in a variety of areas in Mathematics and Physics, and develop problem-solving ability by teaching students to combine critical thinking with rigorous reasoning. The Mathematics program provides students with a spectrum of courses in pure and applied mathematics and develops rigorous mathematical thinking.

A Bachelor of Science Degree in Mathematics is one of the most versatile degrees available. Many of the graduates with his degree have found their talents in great demand in business, industry, government, and in the teaching profession. This versatility allows graduates in mathematics to adjust to any unexpected shift in demand from one of these areas to another. All majors prepare students for graduate study.

The coordinator of undergraduate advising is the department's resource for specific information such as advanced placement, transfer credits, dual majors, Cooperative Education, and independent study.

Mathematics Major (B.S.)

Required Courses (22 semester hours)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 425 Advanced Calculus I	3
OR	
MATH 431 Foundations of Modern Algebra	3

Electives (15 semester hours)

Select 15 semester hours from the following:

CMPT 363 Introduction to Numerical Computing	3
MATH 350 College Geometry	3
MATH 398 Vector Calculus	3
MATH 420 Differential Equations	4
MATH 423 Complex Variables	3
MATH 425 Advanced Calculus I	3
MATH 426 Advanced Calculus II	3
MATH 428 Topology	3
MATH 431 Foundations of Modern Algebra	3
MATH 433 Theory of Numbers	3
MATH 436 Elements of Logic	3
MATH 450 Foundations of Geometry	3
MATH 460 Introduction to Applied Mathematics	3
MATH 463 Numerical Analysis	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3
MATH 469 Mathematical Modeling	3
MATH 471 Selected Topics in Modern Mathematics	3
MATH 490 Honors Seminar	3
MATH 495 Topics for Undergraduates	1-3
MATH 497 Research I	1-3
MATH 498 Research II	1-3
STAT 440 Statistical Methods	3
STAT 441 Statistical Computing	3
STAT 443 Introduction to Mathematical Statistics	3

Collateral Courses (11 semester hours)

CMPT 183 Foundations of Computer Science I	3
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Mathematics Major (B.S.)

Applied Mathematics Concentration

Required Courses (28 credits)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 469 Introduction to Mathematical Modeling	3
CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3

Emphasis (9 semester hours)

Students specialize by taking three courses (9 semester hours) in one of the following two tracks:

Track 1 - Discrete Applied Mathematics and Operations Research

CMPT 285 Discrete Mathematical Structures	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3

Track 2 - Statistics

STAT 440 Statistical Methods	3
STAT 441 Statistical Computing	3
STAT 443 Introduction to Mathematical Statistics	3

Elective Mathematics Courses (12 semester hours)

Select at least 12 s.h. of from the following approved list of courses:

CMPT 285 Discrete Mathematical Structures	3
MATH 398 Vector Calculus	3
MATH 420 Differential Equations	4
MATH 423 Complex Variables	3
MATH 425 Advanced Calculus I	3
MATH 426 Advanced Calculus II	3
MATH 428 Topology	3
MATH 431 Foundations of Modern Algebra	3
MATH 460 Introduction to Applied Mathematics	3
MATH 463 Numerical Analysis	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3
MATH 490 Honors Seminar	3
MATH 495 Topics for Undergraduates	1-3
MATH 497 Research I	1-3
MATH 498 Research II	1-3
STAT 440 Statistical Methods	3
STAT 441 Statistical Computing	3
STAT 443 Introduction to Mathematical Statistics	3

Collateral Courses (7 - 9 semester hours)

One of the following sequences:

1. PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
2. CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
3. BIOL 121 The Plant Kingdom	4
BIOL 215 Human Heredity	3
4. GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
5. ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3

6. ECON	101	Principles of Economics: Macro	3
ECON	102	Principles of Economics: Micro	3
MGMT	231	Management Processes	3

Mathematics Major (B.S.)

Teacher Education

Required Courses (25 credits)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 350 College Geometry	3
MATH 431 Foundations of Modern Algebra	3

Electives (Select at least 12 semester hours)

CMPT 363 Introduction to Numerical Computing	3
MATH 398 Vector Calculus	3
MATH 420 Differential Equations	4
MATH 423 Complex Variables	3
MATH 425 Advanced Calculus I	3
MATH 426 Advanced Calculus II	3
MATH 428 Topology	3
MATH 433 Theory of Numbers	3
MATH 436 Elements of Logic	3
MATH 450 Foundations of Geometry	3
MATH 460 Introduction to Applied Mathematics	3
MATH 463 Numerical Analysis	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3
MATH 469 Mathematical Modeling	3
MATH 471 Selected Topics in Modern Mathematics	3
MATH 490 Honors Seminar	3
MATH 495 Topics for Undergraduates	1-3
MATH 497 Research I	1-3
MATH 498 Research II	1-3
STAT 440 Statistical Methods	3
STAT 441 Statistical Computing	3
STAT 443 Introduction to Mathematical Statistics	3

Collateral Courses (11 semester hours)

CMPT 183 Foundations of Computer Science I	3
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Additional mathematics courses needed for certification can also be obtained from the department.

Second Teaching Field in Mathematics

Those students majoring in another field who wish to teach mathematics as a second field must take an approved 34 semester hour program in mathematics, including one course in computer science, as well as their major field requirements and the Praxis II exam. Specific requirements may be obtained from the department's Certification Advisor.

Mathematics Minor

Required Courses (19 semester hours)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
One approved 300 or 400 math major elective course	3
At least 9 semester hours must be taken at Montclair State University.	

Physics Major

Required Courses (24 semester hours)

	Semester Hours
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 210 Mechanics	4
PHYS 240 Electricity and Magnetism	4
PHYS 350 Optics	4
PHYS 460 Modern Physics	4

Collateral Courses (27 semester hours)

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CMPT 183 Foundations of Computer Science I	3
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 420 Differential Equations	4

Electives (Departmental)

Select 14 semester hours from the appropriate list to be obtained from the department 114

Physics Minor

Required Courses

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 240 Electricity and Magnetism	4

Plus either Option A or Option B:

Option A	
PHYS 210 Mechanics	4
PHYS Physics elective	3

Option B

Select two	
PHYS 242 Circuit Theory	3
PHYS 245 Electronics and Digital Techniques	3
PHYS 247 Microprocessors and Their Applications	3

Total Semester Hours 18-19

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Physics majors, with some additional chemistry courses, can qualify for the Physical Science Teaching Certificate.

Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the department's coordinator of undergraduate advising.

Courses of Instruction Mathematics

MATH 050

BASIC SKILLS MATH I:

COMPUTATION AND ELEMENTARY ALGEBRA 3.0

Fundamental operations on real numbers. Introduction to algebra including linear equations and the development of algebraic manipulative skills. Estimation. Problem solving. Use of hand-held calculators. Credits not usable toward graduation.

MATH 051

BASIC SKILLS MATH II: ALGEBRA 3.0

Basic elementary algebra course, includes fundamental algebraic processes, linear and quadratic equations, graphing and applications. Credits not usable toward graduation.

MATH 060

BASIC SKILLS MATHEMATICS LABORATORY -

COMPUTATION 3.0

Review of the fundamental arithmetic operations of real numbers. Whole numbers, fractions, decimals, percents, ratios, word problems and estimation are covered. Topics from elementary algebra may also be included. Credits not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only.

MATH 061

BASIC SKILLS MATHEMATICS LABORATORY - ALGEBRA 3.0

Review of elementary algebra, including fundamental algebraic processes, linear and quadratic equations, graphing, word problems and applications. Credit not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only.

MATH 100

INTERMEDIATE ALGEBRA 3.0

Topics include sets, relations, functions, development of number systems and algebraic operations. Students who received high school credit for Intermediate Algebra may not receive degree credit for MATH 100.

Prerequisite: MATH 051 or 061 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Intermediate Algebra Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Intermediate Algebra Readiness Test.) Not for majors in the College of Science and Mathematics.

MATH 102

NEW STUDENT EXPERIENCE FOR MATHEMATICAL SCIENCES 1.0

This course introduces students to the University, the Department of Mathematical Sciences and the culture of higher education. Students learn about campus resources and activities, the disciplines of mathematics and physics, careers in mathematical sciences, and development of good study skills. There is also emphasis on issues related to health, wellness, diversity, and prejudice. Meets Gen Ed 2002-New Student Seminar.

MATH 103

THE DEVELOPMENT OF MATHEMATICS 3.0

A survey of traditional and contemporary mathematical topics developed within a historical framework and designed to develop an appreciation for the role and universality of mathematics as a cultural force in our society. Meets the Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061 or placement through the Montclair State University Placement Test (MSUPT). Not for majors in the College of Science and Mathematics.

MATH 104

FRACTALS AND INFINITY 3.0

A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Cross listed with the Honors Program, HONP 104. Meets the 1983 General Educational Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT).

MATH 106

CONTEMPORARY APPLIED MATH FOR EVERYONE 3.0

The impact of modern mathematics on today's society in terms of management decision making, scheduling and planning, social choice, including voting and apportionment, population studies, and measurements of size and shape. Meets Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT).

MATH 109

STATISTICS 3.0

Introduction to the use of statistics in the real world. Topics include: analysis and presentation of data, variability and uncertainty in data, techniques of statistical inference and decision-making. Meets Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT). Not for majors in Mathematics (MATH); Mathematics, Applied Mathematics concentration (MAAM); or Mathematics, Teacher Education (MTED).

MATH 111

APPLIED PRECALCULUS 4.0

This course covers topics including trigonometric, exponential, logarithmic, rational, and polynomial functions, that are basic to success in the calculus sequence. Includes applications to Biology, Molecular Biology, and other empirical sciences. Uses graphics calculators extensively. May be substituted for MATH 112 (Precalculus Mathematics).

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Precalculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 112

PRECALCULUS MATHEMATICS 3.0

Binomial theorem, relations and functions, exponential and logarithmic functions, right triangle trigonometry, circular functions.

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Precalculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 113

MATHEMATICS FOR BUSINESS I: LINEAR ALGEBRA 3.0

Matrices, linear programming, probability, statistics.

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT).

MATH 114

MATHEMATICS FOR BUSINESS II: CALCULUS 3.0

The general aim of this course is to introduce the students to the basic skills of differentiation, integration, maxima-minima problems and several of the other applications of calculus, including modeling, especially models in business and economics.

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT). (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

- MATH 116**
CALCULUS A 4.0
 Differentiation and integration of functions, including trigonometric functions. Applications to biology and geoscience. Not for math, chemistry or physics majors. Meets the 1983 General Education Requirement (GER)—Mathematics, Mathematics.
Prerequisite: MATH 111 or 112 or a satisfactory score on the department's Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)
- MATH 122**
CALCULUS I 4.0
 Limits, continuity; derivative and differentiation; applications of the derivative, maxima, minima, and extreme considerations; antiderivatives; Riemann integral. Meets the 1983 General Education Requirement (GER)—Mathematics, Mathematics.
Prerequisites: MATH 111 or 112 and a satisfactory score on the department's Calculus Readiness Test.
- MATH 221**
CALCULUS II 4.0
 Riemann integral applications, transcendental functions, techniques of integration, improper integrals, L'Hospital's rule, infinite series. Meets the 1983 General Education Requirement (GER)—Mathematics, Mathematics.
Prerequisite: MATH 122.
- MATH 222**
CALCULUS III 4.0
 Vector algebra; partial differentiation, and extreme considerations; polar, cylindrical, and spherical coordinates, multiple integration; introduction to line integrals.
Prerequisite: MATH 221.
- MATH 335**
LINEAR ALGEBRA 4.0
 Vectors, vector spaces in 2, 3, and n-dimensions, systems of linear equations, matrices, determinants, linear transformations, and applications.
Prerequisite: MATH 221.
- MATH 340**
PROBABILITY 3.0
 Chance and variability, elements of combinatorics, Bayes' theorem, random variables, binomial, poisson and normal distributions, applications to statistics.
Prerequisite: MATH 221.
- MATH 350**
COLLEGE GEOMETRY 3.0
 Study of Euclidean and other geometries from an axiomatic point of view.
Prerequisite: MATH 221.
- MATH 398**
VECTOR CALCULUS 3.0
 Topics include the algebra of the differential and integral calculus, gradients, divergence and curl of a vector field, and integral theorems together with applications drawn from the physical sciences.
Prerequisite: MATH 222.
- MATH 410**
APPLIED COMBINATORICS AND GRAPH THEORY 3.0
 Problem solving by counting, enumeration, and graph theory. Permutation, combinations, binomial coefficients, generating functions, recurrence relations, partitions, inclusion-exclusion, Polya's formula, graph theoretic models, trees, circuits, networks, matching, and their applications to puzzles, games, tournaments, traffic patterns, transportation.
Prerequisite: MATH 340.
- MATH 420**
DIFFERENTIAL EQUATIONS 4.0
 First order differential equations, partial derivatives and exact differentials, linear differential equations, numerical approximation, series solution, matrices, and systems of equations.
Prerequisite: MATH 221.
- MATH 423**
COMPLEX VARIABLES 3.0
 This course is a study of the arithmetic and algebra of complex numbers, and an introduction to the differentiation and integration of complex functions. Topics include: rectangular and polar form of complex numbers, algebra of complex numbers, differentiation, Cauchy-Riemann equations, and contour integrals.
Prerequisite: MATH 222.
- MATH 425**
ADVANCED CALCULUS I 3.0
 Properties of the real number system, limits, continuous functions, intermediate value theorem, derivative, Mean value theorem, Riemann integral.
Prerequisite: MATH 222.
- MATH 426**
ADVANCED CALCULUS II 3.0
 Functions of several variables, partial derivatives, Green's theorem, Stoke's theorem, divergence theorem, implicit function theorem, inverse function theorem, infinite series, uniform convergence.
Prerequisite: MATH 425.
- MATH 428**
TOPOLOGY 3.0
 Topological spaces, metric spaces, continuity, compactness, connectedness, and separability properties; topological generalizations of basic continuity theorems of advanced calculus.
Prerequisite: MATH 425.
- MATH 431**
FOUNDATIONS OF MODERN ALGEBRA 3.0
 Fundamental concepts of algebra including groups, rings, integral domains and fields, with important examples.
Prerequisite or corequisite: MATH 335.
- MATH 433**
THEORY OF NUMBERS 3.0
 Properties of integers, congruences, quadratic reciprocity law, primitive roots, diophantine equations, continued fractions, algebraic numbers, lattice points and partitions.
Prerequisite: MATH 221.
- MATH 450**
FOUNDATIONS OF GEOMETRY 3.0
 Groups of transformations, an introduction to projective geometry.
Prerequisite: MATH 221.
- MATH 463**
NUMERICAL ANALYSIS 3.0
 Finite differences, approximation theory, linear and non-linear equations, error analysis.
Prerequisites: MATH 222 and 335.
- MATH 464**
OPERATIONS RESEARCH I 3.0
 Linear programming, transportation problem, assignment problem, duality, sensitivity analysis, network flows, dynamic programming, nonlinear programming, integer programming.
Prerequisite: MATH 335.
- MATH 465**
OPERATIONS RESEARCH II 3.0
 Game theory, queuing models, inventory models, Markov processes, reliability theory and applications.
Prerequisites: MATH 335 and 340.
- MATH 469**
MATHEMATICAL MODELING 3.0
 The art of constructing mathematical models for "real world" problems, solving the model, and testing the accuracy of the model. Problems will be selected from business, science, computer science, and the social sciences.
Prerequisites: MATH 335, and 340, and MATH 464 or STAT 440.

MATH 470
TEACHING OF MATHEMATICS 4.0
 Selection, organization, and presentation of secondary mathematics, classroom activities, lesson planning, techniques of motivation, evaluation, multi-sensory aids, principles of learning, and applications of the microcomputer to classroom teaching.

Prerequisite: Admission to Teacher Education Program.

MATH 471
SELECTED TOPICS IN MODERN MATHEMATICS 3.0
 Professionalized view of junior and senior high school mathematics topics: functions, real and complex numbers, analytic geometry, absolute value and inequalities, sets and logic, flow charting, linear programming.

Prerequisite: Admission to Teacher Education Program.

MATH 475
HISTORY OF MATHEMATICS 3.0
 Histories of geometry, number theory, algebra, calculus and infinite processes.

Prerequisite: MATH 221.

MATH 490
HONORS SEMINAR 3.0
 This course will concentrate on subject matter not usually covered within standard mathematics courses. A written and oral report are required.

Prerequisite: Departmental approval.

MATH 495
TOPICS FOR UNDERGRADUATES 1.0-3.0
 Study of advanced topics in undergraduate mathematics.

Prerequisite: Departmental approval.

MATH 497
RESEARCH I 1.0-3.0
 Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.

Prerequisite: Departmental approval.

MATH 498
RESEARCH II 1.0-3.0
 Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.

Prerequisite: Departmental approval.

Courses of Instruction Physics

PHED 401
THE TEACHING OF SCIENCE IN SECONDARY SCHOOLS 4.0
 Considered are the objectives, curriculum, planning, instructional strategies appropriate to science, materials, methods of evaluation, health safety and legal responsibilities in the secondary science program. The use of computers in the science instructional program will also be emphasized.

PHYS 100
CONCEPTS IN SCIENCE 4.0
 This is a one-semester physical science course with laboratory designed for those students not majoring in science areas. This course will introduce the student to methods of science while teaching some principles of physical science and some of their applications. Topics discussed include: energy and motion; heat, energy and solar heating; sound and noise; light, lenses and fiber optics. (3 hours lecture, 2 hours laboratory). Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite: Special fee.

PHYS 104
HISTORY OF SCIENCE 3.0
 The historical and philosophical development of science traced from the ancient Egyptians to the present. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science only.

PHYS 106
SCIENCE AND SOCIETY 3.0
 This is a one semester course for nonscience majors designed to provide a knowledge of some of the principles of physical science and to indicate how they are related to society. Formal laboratory is not included in the course. Topics discussed vary but may include such areas as: science, a human activity; man and energy; radiation and man; electricity and man; nuclear power and man; and others. Meets the General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.

PHYS 180
DESCRIPTIVE ASTRONOMY 3.0
 For the general student. A discussion of our place in the universe from ancient ideas to modern data on the moon, planets, comets, stars, galaxies and quasars. The formation and evolution of planets, stars, black holes and the universe as a whole reveal our place in time. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.

PHYS 191
UNIVERSITY PHYSICS I 4.0
 This one-semester calculus-based course including laboratory is a study of the principles of physics and some applications to society's problems. Topics covered include mechanics, thermodynamics, fluids, and harmonic motion. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite or corequisite: MATH 122. Special fee.

PHYS 192
UNIVERSITY PHYSICS II 4.0
 Calculus-based course. Study of some principles of physics and some applications to society's problems. Topics include: wave motion, sound and noise pollution, optics, electricity, lasers, nuclear theory, radiation, nuclear reactors, waste disposal. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite or corequisite: MATH 221. Special fee.

PHYS 193
COLLEGE PHYSICS I 4.0
 This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include mechanics, heat and thermodynamics, wave motion and sound, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite: MATH 100. Special fee.

PHYS 194
COLLEGE PHYSICS II 4.0
 This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include optics, electricity and magnetism, and an introduction to modern and nuclear physics, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite: MATH 100. Special fee.

PHYS 205
SCIENTIFIC PRINCIPLES OF TECHNOLOGY 3.0
 The practical implications of physical concepts on technology will be studied, emphasizing how technical machines work. Cross listed with Curriculum and Teaching, INDS 205.

PHYS 210
MECHANICS 4.0
 Classical mechanics: Kinematics, Newton's laws, impulse and momentum, statics, work and energy, oscillations, general motion, central force motion, non-inertial frames, system of particles, methods of handling data. (3 hours lecture, 2 hours laboratory.)

Prerequisite: PHYS 191.

PHYS 240
ELECTRICITY AND MAGNETISM 4.0
 Basic principles of electromagnetism: Coulomb's law and general techniques in electrostatics, currents and their associated magnetic field, electromagnetic induction and magnetic properties of materials. Foundations of Maxwell's equations (without detailed solutions). Laboratory experiments. (3 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192.
Prerequisite or Corequisite: MATH 222.

PHYS 242
CIRCUIT THEORY 3.0
 Introduces basic methods in circuit analysis and design. Topics include linear electric circuits and their response, circuit theorems, filters, Fourier analysis of different inputs and outputs, and transmission lines. (2 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192 or both PHYS 194 and MATH 221.

PHYS 245
ELECTRONICS AND DIGITAL CIRCUITS 3.0
 An introduction to the principles of amplifiers, waveform generators, and digital circuits, with emphasis on the use of commonly available integrated circuit packages. (2 hours lecture, 2 hours laboratory)
Prerequisite: PHYS 192 or 194.

PHYS 247
MICROPROCESSORS AND THEIR APPLICATIONS 3.0
 One semester course providing an introduction to the principles, operations and applications of microprocessors including experiment control and data manipulation. (2 hours lecture, 2 hours laboratory.)
Prerequisite: PHYS 192 or 194.

PHYS 280
ASTRONOMY 4.0
 Application of physical laws to the earth as a planet; nature of the other planets; orbital motion and space flight; origin of the solar system; the birth, life and death of a star galactic structure; and cosmology. (3 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 191 and 192 or 193 and 194.

PHYS 310
ADVANCED MECHANICS 3.0
 Classical mechanics; transformation, oscillators, generalized motion; Lagrange's equations; Hamilton's equation; small oscillations; wave propagation. Offered alternate years.
Prerequisites: MATH 222 and MATH 420 and PHYS 210.

PHYS 320
THERMODYNAMICS 3.0
 Thermodynamic systems; laws of thermodynamics; entropy; kinetic theory; transport processes; statistical thermodynamics. Offered alternate years.
Prerequisites: MATH 222 and PHYS 210.

PHYS 350
OPTICS 4.0
 Propagation of light, optical components, instruments and photometry. Interference, diffraction and polarization with elements of spectroscopy. (3 hours lecture, 2 hours laboratory.) Offered alternate years.
Prerequisite: PHYS 240.

PHYS 377
MATHEMATICAL PHYSICS 3.0
 Vector analysis, complex variables, ordinary and partial differential equations, matrices. Not offered every year.
Prerequisite: 2 years of physics and MATH 222.

PHYS 410
FLUID MECHANICS 3.0
 The study of the mechanics of the continuous media. Topics will include: fluid statics; basic laws governing fluid systems and control volumes; viscous flows; dimensional analysis and similitude, and potential flow.
Prerequisite: PHYS 240.

PHYS 430
COMPUTER SIMULATIONS OF PHYSICAL SYSTEMS 3.0
 This course applies computer techniques and numerical analysis to model physical systems. Simulations and calculations will be done of falling bodies, gravitational orbits, scattering, oscillations, electrical circuits, molecular dynamics, Monte Carlo techniques, chaos, and quantum systems.
Prerequisites: MATH 221, PHYS 191, PHYS 192 and CMPT 183.

PHYS 443
COMPUTER-AIDED DRAFTING: AN INTRODUCTION 3.0
 Students will study the command structure of AutoCad to create, modify and manage CAD drawings and designs. Various applications in graphic communication will be explored with practical hands-on lab sessions. Experience with computers or technical graphics is not required. Cross listed with Curriculum and Teaching, INDS 443.

PHYS 460
MODERN PHYSICS 4.0
 Special relativity, kinetic theory of matter; quantization of electricity, light and energy; nuclear atom; elementary quantum mechanics and topics on solid state. (3 hours lecture, 2 hours laboratory.) Offered alternate years.
Prerequisites: PHYS 210 and 240.

PHYS 462
NUCLEAR PHYSICS 4.0
 Nuclear radiation; radioactive decay; detectors; nuclear spectroscopy and reactions; theories and models; fission, fusion, reactors; and application of radioisotopes. (3 hours lecture, 2 hours laboratory.) Offered alternate years.
Prerequisites: PHYS 210 and 240.

PHYS 490
LITERATURE RESEARCH IN PHYSICS 2.0
 Student considers topics in physics and gains facility in literature research techniques: topics in pure physics or related to physics education. Students intending to enroll in laboratory research in physics should use PHYS 490 to provide the literature research related to his/her laboratory problem. Not offered every year.
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

PHYS 495
LABORATORY RESEARCH IN PHYSICS 1.0-4.0
 Solution of a laboratory problem; research in pure physics or in physics education; written report required. Not offered every year.
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

Courses of Instruction Statistics

STAT 440
FUNDAMENTALS OF MODERN STATISTICS 3.0
 Organizing, displaying, and describing data; arrangements for producing data; methods for drawing conclusions from data: significance testing, confidence interval estimation, linear regression, analysis of variance. Examples from many disciplines including the social and natural sciences. Statistical software is used.
Prerequisite: MATH 221.

STAT 441
STATISTICAL COMPUTING 3.0
 This course is designed: (1) to acquaint students with the use of the computer in solving statistical problems, and (2) to develop intermediate level statistical methodology. Several statistical computing packages and the student's own programs will be utilized.
Prerequisites: STAT 440 and computer experience.

STAT 443
INTRODUCTION TO MATHEMATICAL STATISTICS 3.0
 Develops statistical methods from probability theory. Topics discrete and continuous probability distributions, estimation, inference and hypothesis testing.
Prerequisites: MATH 340 and STAT 440.

MUSIC

SCHOOL OF THE ARTS

Interim Chairperson: Ting Ho

The Department of Music stresses performance skills, breadth of musical understanding and work in the liberal arts. The department is accredited by the National Association of Schools of Music and is approved by the American Music Therapy Association. Two degrees are offered, the Bachelor of Music and the Bachelor of Arts. Also offered is a combined B.A./B.Mus. program.

Concentrations available within the Bachelor of Music degree program are Performance and Theory/Composition. Concentrations available within the Bachelor of Arts degree program are Music Therapy and Music Education.

There is a music minor available to qualified students.

Entrance Requirements

General

Those who wish to major or minor in music must have an interview and an audition on a primary instrument or voice. Prospective music majors should be able to show musicality, primary and secondary performing skills and knowledge of elementary music theory. Audio- and video-taped auditions are a rare exception to Departmental policy, and therefore must be approved in advance. The Department will allow prospective music majors to audition up to twice within one academic year, and a maximum of three times. It is important to have studied music seriously throughout high school. Participation in choral and/or instrumental groups and piano study are required for all applicants.

Primary instrument audition (vocal and instrumental)

Required of all prospective students. The audition consists of prepared repertory, preferably covering a range of styles, and of technical exercises, etudes, scales and sight reading; it generally lasts ten to fifteen minutes.

Music reading test

Required of all prospective students. Prospective students must demonstrate their proficiency in reading treble and bass clefs and their ability to sing intervals and to sight read simple melodies and rhythms. Prospective students who are judged deficient in these skills but seem to have sufficient talent to warrant admission will be required to take a pre-theory course which carries no credit toward graduation.

Interview/Portfolio review

Required of all prospective students wishing concentrations in education, music therapy, and theory/composition. The interviews for education and music therapy are intended to give the faculty a sense of a prospective student's knowledge of, interest in and fitness for the field in question. The theory/composition interview is normally accompanied by inspection of a prospective student's portfolio of compositions, arrangements and/or analyses. Prospective students wishing to concentrate in theory/composition should be prepared to present such a portfolio.

Music theory placement test

Required of all prospective students who have taken college level theory courses; optional for others. The test is designed for placement purposes and is normally not a factor in arriving at an admissions decision.

Music history syllabus review

Required of all prospective students who have taken college level music history courses. Transfer applicants who wish to transfer their music history credits must submit a course syllabus for each music history course for faculty review and approval.

Secondary instrument audition (vocal and instrumental)

Optional. A prospective student who has developed proficiency in a second instrument (or in voice) may audition on that instrument (or in voice). Once enrolled, Departmental approval is required for private study on a secondary instrument.

Secondary piano placement test

Optional. All students (other than keyboard majors) must take four semesters of secondary piano. Prospective students (other than keyboard players) who have taken some piano and wish to be exempt from some or all of the secondary piano requirement should take a secondary piano test at the time of audition.

Final Admission to Program

Theory/Composition

Final admission in junior year; in addition to full audition requirements, candidates must submit a portfolio of compositions and/or analytical sketches before completion of sophomore year.

Music Therapy

Final admission in junior year; in addition to full audition requirements, all credentials (including reports of clinical experience) will be evaluated at the end of sophomore year.

Performance

Provisional acceptance is determined by an Applied Music jury at the end of the freshmen year unless a postponement to the middle of the sophomore year is requested by the major teacher. Full admission is delayed until completion of a sophomore recital and/or demonstration of a solid grasp of the technical aspects of the performing medium and genuine musicality and sensitivity.

Music Education

Final admission is granted only after an interview and review of credentials toward the end of the sophomore year.

Comprehensive Examination/Assessment

At the end of the sophomore year, all students must demonstrate comprehensive musicianship in the performing primary, functional keyboard skills, theoretical and practical skills, secondary vocal skills and other materials germane to the student's concentration. Continuation as a music major is dependent upon adequate performance in these areas.

Applied Music Requirements for Graduation

All music students must study with members of the Montclair State faculty. There is an applied music fee, in addition to tuition, which must be paid for private instruction.

Students concentrating in performance will present a recital before the end of the junior year and another in the senior year. Students concentrating in music education will present a recital in the senior year. Students concentrating in theory/composition will present a recital of original compositions in the senior year.

Piano students are expected to accompany at a level of ability designated by their teachers and to participate actively in the musical life of Montclair State and the community.

All students are expected to perform during performance practicum at least once during each year of primary study.

Secondary instruction beyond the minimum requirements is available when schedules and other considerations allow.

Performance Practicum Requirements for Graduation

Each week the Department of Music sponsors mid-day performances, master classes, and lecture/recitals by students, faculty, and guests. Every music major must register for MUPR 039, *Performance Practicum* (0 credit) or MUPR 040 *Performance Practicum for Performance Majors* (0.5 credit), for eight semesters or every semester of attendance at Montclair State University.

Ensemble Requirements for Graduation

The ensemble policy is based on the principle that all students must perform in ensemble(s) every semester of their attendance at Montclair State in order to assure the broadest possible experience in important ensemble repertoire and to assure that these ensembles have the needed instrumentation for successful performance. Although minimum requirements vary with each concentration, this principle is the overriding one. Students will be expected to perform in their primary ensemble during each semester of attendance.

Students may be assigned by the department chairperson to an ensemble in accordance with the needs of the department, regardless of the completion by the student of the minimum requirements.

Where admission to a chamber ensemble is by audition and a student fails to gain admission, additional performance in a large ensemble may, with the chairperson's consent, be substituted. Chamber ensembles must perform once a semester, either on recital or for a jury.

Any changes in the ensemble policy will be posted in the Music Department.

Music Education: majors in voice, keyboards or guitar
8 semesters of Choir (MUPR 030)
2 semesters of laboratory ensemble (MUED 301)
2 semesters of chamber ensemble *

Music Education: majors in stringed instruments
8 semesters of Orchestra (MUPR 031)
2 semesters of Choir (MUPR 030)
2 semesters of chamber ensemble*

Music Education: majors in brass, woodwinds, percussion
8 semesters of Band (MUPR 032) or (MUPR 031) Orchestra as assigned
2 semesters of Choir (MUPR 030)
2 semesters of chamber ensemble *

Performance: majors in voice
8 semesters of Choir (MUPR 030)
4 semesters of Opera Workshop (MUPR 034)
2 semesters of Collegium Musicum (MUPR 038)
2 elective semesters

Performance: majors in guitar
8 semesters of chamber ensemble*
4 semesters of Choir (MUPR 030)
4 elective semesters

Performance: majors in stringed instruments
8 semesters of Orchestra (MUPR 031)
4 semesters of chamber ensemble*
4 elective semesters

Performance: majors in brass, woodwinds, percussion
8 semesters of Band (MUPR 032) or (MUPR 031) Orchestra as assigned
2 semesters of Choir (MUPR 030)
3 semesters of chamber ensemble *
3 elective semesters

Performance: majors in keyboard instruments
8 semesters of Choir (MUPR 030)
5 semesters of chamber ensemble *
1 semester of Collegium Musicum (MUPR 038)
2 elective semesters

Theory/Composition: majors in voice, guitar
6 semesters of Choir (MUPR 030) or Chamber Choir (MUPR 020)
4 semesters of chamber ensemble *
2 semesters of Collegium Musicum (MUPR 038)
4 elective semesters

Theory/Composition: majors in stringed instruments
8 semesters of Orchestra (MUPR 031)
4 semesters of chamber ensemble *
1 semester of Collegium Musicum (MUPR 038)
3 elective semesters

Theory/Composition: majors in brass, woodwinds, percussion
8 semesters of Band (MUPR 032)
2 semesters of Choir (MUPR 030)
5 semesters of chamber ensemble *
1 semester of Collegium Musicum (MUPR 038)

Music Therapy:

6 semesters using primary instrument
2 semesters using secondary instrument

**For the purposes of the above requirements, "chamber ensemble" includes MUPR 038 Collegium Musicum, MUPR 020 Chamber Singers, MUPR 302 Jazz Ensemble, MUPR 034 Opera Workshop, MUPR 301 Chamber Ensemble Performance and all solo/duet/trio/etc. repertoire which does not duplicate materials studied for solo recital or jury performance.*

Performance Dress Code

Since the Department of Music has the training of future professional musicians as one of its major objectives, the music student is expected to dress as a professional whenever appearing before the public.

Mid-Day Recitals: No casual attire.

Solo Recitals: Formal wear or ensemble wear.

Ensembles: At the discretion of the director, normally black.

Instrumental Rental

A fee of \$50 (subject to change) per semester is charged students who rent college-owned instruments. Summer rental is considered as a separate semester for this purpose. A separate charge is made for each instrument or each instrumental methods class.

Music Major (B.A.)

Music Education Concentration

Required Courses

	Semester	Hours
MUAP 121	Applied Music I	2
MUAP 122	Applied Music II	2
MUAP 223	Applied Music III	2
MUAP 224	Applied Music IV	2
MUAP 325	Applied Music V	2
MUAP 326	Applied Music VI	2
MUAP 427	Applied Music VII	2
MUPR 039	Performance Practicum (8 semesters)	0
MUCP 101	Theory I	3
MUCP 102	Theory II	3
MUCP 103	Aural Skills I	1
MUCP 104	Aural Skills II	1
MUCP 201	Theory III	3
MUCP 202	Theory IV	3
MUCP 203	Aural Skills III	1
MUCP 204	Aural Skills IV	1
MUCP 304	Theory VI-Orchestration	3
MUHS 307	Music History I	3
MUHS 308	Music History II	3
Ensembles		6
(See Ensemble Requirements for Graduation , previously listed)		
MUED 105	Instrumental Techniques: Strings I	1
MUED 106	Instrumental Techniques: Strings II	1
MUED 200	Introduction to Music Education	2
MUED 201	Practicum in Music Education I	1
MUED 205	Instrumental Techniques: Brass I	1
MUED 207	Instrumental Techniques: Brass II	1
MUED 206	Instrumental Techniques: Woodwinds II	1
MUED 208	Instrumental Techniques: Woodwinds II	1
MUED 306	Percussion Instruments	1
MUED 334	Choral Methods	3
MUED 335	Conducting for Music Educators	2
MUED 420	Instrumental Methods	3
MUPR 335	Elementary Conducting	2
MUPR 403	Senior Recital	0
(To be taken concurrently with final semester of private study)		
MUPR 410	Beginning Jazz Improvisation	1
MUPR 411	Jazz Pedagogy	1

Keyboard Primary (in addition to other required courses)

MUCP	310	Keyboard Harmony I	1
MUCP	311	Keyboard Harmony II	1
MSSN	111	Secondary Instrument Voice I	1
MSSN	121	Secondary Instrument Guitar I	1

Strings, Brass, Woodwind, Percussion Primary (in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	111	Secondary Instrument Voice I	1
MUED	132	Marching Band Techniques	1

Voice Primary (in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	121	Secondary Instrument Guitar I	1
MUPR	340	Italian Repertory and Diction I	1
MUPR	341	Italian Repertory and Diction II	1

Guitar (in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	111	Secondary Instrument Voice I	1

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, students must satisfactorily complete the following courses:

MUED	202	Practicum in Music Education II	1
MUED	320	Music Classroom Methods I	3
MUED	321	Music Classroom Methods II	3

Music Therapy Major (B.A.)**Required Courses**

Semester Hours

Music Theory and History (43 s.h.)

MUPR	039	Performance Practicum, 8 semesters	0
MUCP	101	Theory I	3
MUCP	102	Theory II	3
MUCP	103	Aural Skills I	1
MUCP	104	Aural Skills II	1
MUCP	201	Theory III	3
MUCP	202	Theory IV	3
MUCP	203	Aural Skills III	1
MUCP	204	Aural Skills IV	1
MUCP	141	Musical Composition	2
MUHS	307	Music History I	3
MUHS	308	Music History II	3
Ensembles			4

Note: Eight ensembles of which six semesters of ensemble (for 3 semester hours) must involve the student's primary instrument. Two semesters of ensemble (for 1 semester hour) must be taken using a secondary instrument.

MUTH	260	Methods and Materials in Music Therapy	2
MUTH	262, 263, 361, 362, 363, 364	Music Therapy Practicum I-VI	6
MUTH	306	Piano Accompanying Techniques for the Music Therapist	1
MUTH	307	Piano Improvisation for the Music Therapist	1
One of the following:			
MUGN	150	Influence of Afro-American Culture on Music	3
MUGN	160	Introduction to Music in World Cultures	3
MUGN	209	Introduction to Jazz	3
MUGN	250	Rap and Rock as Cultural Phenomena	3

One of the following conducting courses:

MUPR	335	Elementary Conducting	2
MUED	334	Choral Methods	3

Keyboard Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	111	Secondary Instrument Voice I	1
MSSN	112	Secondary Instrument Voice II	1
MSSN	121	Secondary Instrument Guitar I	1
MSSN	122	Secondary Instrument Guitar II	1
MUCP	310	Keyboard Harmony I	1
MUCP	311	Keyboard Harmony II	1
MUED	306	Percussion Instruments	1

One of the following, with permission of advisor:

MUED	105	Instrumental Techniques: Strings I	1
MUED	205	Instrumental Techniques: Brass I	1
MUED	206	Instrumental Techniques: Woodwind I	1
MSSN	113	Secondary Instrument Voice III	1

String, Brass, Woodwind, and Percussion Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	121	Secondary Instrument Guitar I	1
MSSN	122	Secondary Instrument Guitar II	1
MSSN	111	Secondary Instrument Voice I	1
MUED	306	Percussion Instruments (for non percussion primaries)	1
OR			
MSSN	112	Secondary Instrument Voice II (for percussion primaries)	1

Voice Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	121	Secondary Instrument Guitar I	1
MSSN	122	Secondary Instrument Guitar II	1
MUED	306	Percussion Instruments	1
One of the following, with permission of advisor:			
MUED	105	Instrumental Techniques: Strings I	1
MUED	205	Instrumental Techniques: Brass I	1
MUED	206	Instrumental Techniques: Woodwind I	1

Guitar Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	111	Secondary Instrument Voice I	1
MSSN	112	Secondary Instrument Voice II	1
MUED	306	Percussion Instruments	1
One of the following, with permission of advisor:			
MUED	105	Instrumental Techniques: Strings I	1
MUED	205	Instrumental Techniques: Brass I	1
MUED	206	Instrumental Techniques: Woodwind I	1
MSSN	113	Secondary Instrument Voice III	1

Professional Sequence (26 s.h.)		
MUTH 100	Introduction to Music Therapy	2
MUTH 261	Therapy and Observation Skills for Music Therapy	2
MUTH 400	Music Therapy Training Group	1.5
MUTH 402	Guided Imagery and Music (GIM)	1.5
MUTH 461	Music Therapy with Children	3
MUTH 462	Music Therapy with Adults	3
MUTH 463	Psychological Foundations of Music I	3
MUTH 464	Psychological Foundations of Music II	3
MUTH 465	Internship in Music Therapy	1
PSYC 201	Child Psychology	3
PSYC 365	Abnormal Psychology	3
Required Collateral (19 s.h.)		
ARTH 280	Introduction to Art Therapy	3
BIOL 110	Biology of Human Life	4
MATH 109	Statistics	3
PSYC 101	General Psychology I: Growth and Development	3
PSYC 235	Psychology of Exceptional Children and Youth	3
SOCI 204	Sociology of the Family	3

Music Major (B. Mus.)

Performance Concentration

Required Core Courses (70 s.h.)

			Semester Hours
MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	243	Applied Music III	4
MUAP	244	Applied Music IV	4
MUAP	345	Applied Music V	4
MUAP	346	Applied Music VI	4
MUAP	447	Applied Music VII	4
MUAP	448	Applied Music VIII	4
MUCP	101	Theory I	3
MUCP	102	Theory II	3
MUCP	103	Aural Skills I	1
MUCP	104	Aural Skills II	1
MUCP	201	Theory III	3
MUCP	202	Theory IV	3
MUCP	203	Aural Skills III	1
MUCP	204	Aural Skills IV	1
Ensembles (See <u>Ensemble Requirement for Graduation</u> , listed previously)			8
MUPR	040	Performance Practicum for Performance Majors (eight semesters)	4
MUPR	203, or 303, and 403	Sophomore or Junior and Senior Recitals	0
MUPR	335	Elementary Conducting	2
MUHS	307	Music History I	3
MUHS	308	Music History II	3
MUHS	407	Music History III	3
World Music (Choose one from the following):			
MUGN	150	Influences of Afro-American Culture on Music	3
MUGN	160	Introduction to Music in World Cultures	3
MUGN	209	Introduction to Jazz	3
MUGN	250	Rap and Rock as Cultural Phenomena	3

Voice (24 s.h.)

(in addition to required core courses)

MSSN 101	Secondary Instrument Piano I	1
MSSN 102	Secondary Instrument Piano II	1
MSSN 103	Secondary Instrument Piano III	1
MSSN 104	Secondary Instrument Piano IV	1
MUPR 130	Introduction to Diction	1
MUPR 131	Diction Overview: German and French	1
MULT 230	Vocal Repertory from Monody to Mozart	2
MULT 231	The 19th Century Song: Lied and Melodie	2
MULT 232	The 20th Century Art Song	2
ITAL 101	Italian I	3
ITAL 102	Italian II	3
FREN 101	Beginning French I	3
FREN 112	Beginning French II	3
GERM 101	Beginning German I	3
GERM 112	Beginning German II	3

Keyboard (20 s.h.)

(in addition to required core courses)

MUCP 303	Theory V-Counterpoint	3
MUCP 304	Theory VI-Orchestration	3
MUCP 310	Keyboard Harmony I	1
MUCP 311	Keyboard Harmony II	1
MUPR 201	Keyboard Literature I	2
MUPR 202	Keyboard Literature II	2
MUPR 436	Piano Pedagogy I	4
Choose two of the following:		
MULT 230	Vocal Repertory from Monody to Mozart	2
MULT 231	The 19th Century Song: Lied and Melodie	2
MULT 232	The 20th Century Art Song	2

Instrumental (22 s.h.)

(Brass, Woodwinds, Strings including guitar, Percussion)

(in addition to required core courses)

MSSN 101	Secondary Instrument Piano I	1
MSSN 102	Secondary Instrument Piano II	1
MSSN 103	Secondary Instrument Piano III	1
MSSN 104	Secondary Instrument Piano IV	1
MUPR 276	Instrumental Literature I	4
MUPR 277	Instrumental Literature II	4
MUCP 303	Theory V-Counterpoint	3
MUCP 304	Theory VI-Orchestration	3
MUPR 439	Pedagogy I	2
Music Electives		2

Theory/Composition Concentration

Required Courses (88 s.h.)

		Semester Hours
MUCP	040	Practicum in Music Theory/Composition (8 semesters) 4
MUAP	121	Applied Music I 2
MUAP	122	Applied Music II 2
MUAP	223	Applied Music III 2
MUAP	224	Applied Music IV 2
MUCP	101	Theory I 3
MUCP	102	Theory II 3
MUCP	103	Aural Skills I 1
MUCP	104	Aural Skills II 1
MUCP	141	Musical Composition 2
MUCP	201	Theory III 3
MUCP	202	Theory IV 3
MUCP	203	Aural Skills III 1
MUCP	204	Aural Skills IV 1
MUCP	303	Theory V-Counterpoint 3
MUCP	304	Theory VI-Orchestration 3
MUCP	245	Private Study in Composition I 2
MUCP	246	Private Study in Composition II 2
MUCP	345	Private Study in Composition III 2
MUCP	346	Private Study in Composition IV 2
MUCP	412	Electronic Music Composition 2
MUCP	445	Private Study in Composition V 3
MUCP	446	Private Study in Composition VI 3
MUED	105	String Instruments I 1
MUED	205	Woodwind Instrument 2
MUED	206	Brass Instruments 1
MUED	305	Percussions Instruments 1
MUGN	160	Introduction to Music in World Cultures 3
MUHS	307	Music History I 3
MUHS	308	Music History II 3
MUHS	407	Music History III 3
MUPR	039	Performance Practicum (4 semesters) 0
MUPR	335	Elementary Conducting 2
MUPR	403	Senior Recital 1
Ensemble (See <u>Ensemble Requirements for Graduation</u> , listed previously)		8
Fours semester hours selected from the following:		
MULT	230	Vocal Repertory from Monody to Mozart 2
MULT	231	The 19th Century Song: Lied and Melodie 2
MULT	232	The 20th Century Art Song 2
MUPR	276	Instrumental Literature I 2
MUPR	277	Instrumental Literature II 2

Music Technology (4 s.h.)

Courses drawn from MUTC, determined by level of experience

MUTC	101	Music and Computer Technology I	1
MUTC	102	Music and Computer Technology II	1
MUTC	103	Introduction to Audio Technology in the Studio I	1
MUTC	104	Introduction to Audio Technology in the Studio II	1
MUTC	200	Independent Study in Computer Audio Technology	1-2
MUTC	211	Practicum in Audio Technology	2
MUTC	299	Independent Study in the Field of Audio Technology	1-2
MUTC	400	Independent Study in Computer Audio Technology	1-4
MUTC	402	Selected Topics in the Field of Audio Technology	3
MUTC	499	Independent Study in the Field of Audio Technology	1-4

Keyboard Primary (4 s.h. in addition to other required courses)

MUCP	310	Keyboard Harmony I	1
MUCP	311	Keyboard Harmony II	1
MUPR	204	Piano Accompanying	2

Voice and Instrumental Primaries (4 s.h. in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1

Combined Bachelor of Arts/ Bachelor of Music (5 year program) Degree Requirements

The combined B.A./B. Mus. is a five year program that permits the student to take the full pre-professional Bachelor of Music degree along with the full liberal arts general education program, thus also satisfying the requirements for the Bachelor of Arts. Having completed both components, the graduate is in a position either to continue in performance or composition or to undertake academic graduate work. The program is devised so that in addition to satisfying the usual requirements for both degrees, students have the opportunity to take advanced music courses usually reserved for graduate students. A coherent group of courses outside the field or a formal minor in another area may be substituted for these courses.

Required Courses - All Majors

	Semester Hours
All requirements for the Bachelor of Music in the appropriate concentration.	
All requirements for the Bachelor of Arts general education program.	
In addition:	
Primary instrument	8
MUCP 303 Theory V-Counterpoint	3
MUCP 304 Theory VI-Orchestration	3
Music history and theory electives	12

Music Minor

Select one of the groupings below.

A. Music Skills (23 semester hours):

MUCP	101	Theory I	3
MUCP	102	Theory II	3
MUCP	103	Aural Skills I	1
MUCP	104	Aural Skills II	1
MSSN	101	Secondary Instrument Piano I*	1
MSSN	102	Secondary Instrument Piano II*	1
Primary Instrument (MUAP numbers)			8
Major ensemble (4 semesters, Choir, Band, or Orchestra)			2
MUGN	100	Introduction to Music	3
MUGN	029	Student Recital (2 semesters)	0

B. Music Literature (22 semester hours):

MUCP	101	Theory I	3
MUCP	102	Theory II	3
MUCP	103	Aural Skills I	1
MUCP	104	Aural Skills II	1
MUGN	100	Introduction to Music	3
Major ensemble (4 semesters, Choir, Band, or Orchestra)			2
Music History/Literature electives (MUHS numbers)			9

C. Music History/Theory (24 semester hours):

MUCP	101	Theory I	3
MUCP	102	Theory II	3
MUCP	201	Theory III	3
MUCP	202	Theory IV	3
MUCP	103	Aural Skills I	1
MUCP	104	Aural Skills II	1
MUCP	203	Aural Skills III	1
MUCP	204	Aural Skills IV	1
MSSN	101	Secondary Instrument Piano I*	1
MSSN	102	Secondary Instrument Piano II*	1
MUHS	307	Music History I	3
MUHS	308	Music History II	3

* Students with advanced keyboard skills may substitute MUCP 310 and

MUCP 311 Keyboard Harmony I & II.

Courses of Instruction

Note: Students who are interested in taking Applied Music courses (MUAP), please see the department chairperson.

MSSN 101
SECONDARY INSTRUMENT PIANO I 1.0
Keyboard skills including major and minor scales, arpeggios and chord progressions, sightreading, transposition, harmonization, improvisation. Group instruction.

MSSN 102
SECONDARY INSTRUMENT PIANO II 1.0
Continuation of MSSN 101. Group instruction.
Prerequisite: MSSN 101; Music majors or minors only.

MSSN 103
SECONDARY INSTRUMENT PIANO III 1.0
Continuation of MSSN 102. Group instruction.
Prerequisite: MSSN 102; Music majors or minors only.

MSSN 104
SECONDARY INSTRUMENT PIANO IV 1.0
Continuation of MSSN 103. A final comprehensive examination must be passed at the end of the semester. Group instruction.
Prerequisite: MSSN 103; Music majors or minors only.

MSSN 111
SECONDARY INSTRUMENT VOICE I 1.0
These courses give to the non-primary vocal student the fundamental elements of vocal technique. The same elements are taught to voice primary students in private lessons.
Prerequisite: Music majors or minors only.

MSSN 112
SECONDARY INSTRUMENT VOICE II 1.0
Continuation of MSSN 111. Group instruction.
Prerequisite: MSSN 111; Music majors or minors only.

MSSN 121
SECONDARY INSTRUMENT GUITAR I 1.0
Basic techniques of guitar playing including chording and melodic work. Group instruction.
Prerequisite: Music majors or minors only.

MSSN 122
SECONDARY INSTRUMENT GUITAR II 1.0
Continuation of MSSN 121. Group instruction.
Prerequisite: MSSN 121; Music majors or minors only.

MUAP 111-448. Each applied music course is fifteen half-hour lessons per semester, private instruction. The MUAP taxonomy is available from the Department of Music upon request.

MUCP 040 PRACTICUM IN MUSIC THEORY/COMPOSITION	0.5	A forum for students majoring in music theory and/or composition to present completed and on-going projects to peers for critiquing, as well as hearing presentations by visiting specialists in these areas. May be repeated eight times for a total of four credits. <i>Prerequisite: Music Theory/Composition majors only.</i>
MUCP 101 THEORY I	3.0	Study of harmony, counterpoint and musical analysis of small forms. Must be taken with MUCP 103. <i>Prerequisites: Music majors or minors only.</i> <i>Corequisite: MUCP 103.</i>
MUCP 102 THEORY II	3.0	Continuation of MUCP 101. Must be taken with MUCP 104. <i>Prerequisites: MUCP 101; Music majors or minors only.</i> <i>Corequisite: MUCP 104.</i>
MUCP 103 AURAL SKILLS I	1.0	Sight reading and dictation in major and minor modes, using diatonic chord progressions. Basic solfeggio. Must be taken with MUCP 101. <i>Prerequisites: Music majors or minors only.</i> <i>Corequisite: MUCP 101.</i>
MUCP 104 AURAL SKILLS II	1.0	Continuation of MUCP 103; must be taken with MUCP 102. <i>Prerequisites: MUCP 103; Music majors or minors only.</i> <i>Corequisite: MUCP 102.</i>
MUCP 141 MUSICAL COMPOSITION	2.0	Practical exploration of the various trends in 20th century composition. <i>Prerequisite: Majors only.</i>
MUCP 150 FUNDAMENTALS OF MUSIC FOR THE NON-MAJOR	3.0	Introduction to music notation: reading of clefs, key signatures and their relationship to various modes; rhythm and meter; basic harmonic structures (intervals, triads, and seventh chords). Sight singing and dictation stressed. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.
MUCP 201 THEORY III	3.0	Chromatic harmony; intermediate contrapuntal techniques; analysis of the larger instrumental forms. <i>Prerequisites: MUCP 102; Music majors or minors only.</i> <i>Corequisite: MUCP 203.</i>
MUCP 202 THEORY IV	3.0	Continuation of MUCP 201. Must be taken with MUCP 204. <i>Prerequisites: MUCP 201, Music majors or minors only.</i> <i>Corequisite: MUCP 204.</i>
MUCP 203 AURAL SKILLS III	1.0	Chromatic and non-tonal sight reading and dictation. "Fixed do" solfeggio. To be taken with MUCP 201. <i>Prerequisites: MUCP 104; Music majors or minors only.</i> <i>Corequisite: MUCP 201.</i>
MUCP 204 AURAL SKILLS IV	1.0	Continuation of MUCP 203. Must be taken with MUCP 202. <i>Prerequisites: MUCP 203; Music majors or minors only.</i> <i>Corequisite: MUCP 202.</i>
MUCP 245 PRIVATE STUDY IN COMPOSITION I	2.0	Restricted to majors in theory/composition. <i>Prerequisites: Music major; special fee.</i>
MUCP 246 PRIVATE STUDY IN COMPOSITION II	2.0	Restricted to majors in theory/composition. <i>Prerequisites: MUCP 245; special fee.</i>
MUCP 303 THEORY V-COUNTERPOINT	3.0	Study of part writing, species and free contrapuntal practices and techniques. Contrapuntal and layer analysis. <i>Prerequisites: MUCP 202; Music majors only.</i>
MUCP 304 THEORY VI-ORCHESTRATION	3.0	Study of compositional and arranging techniques appropriate to writing for individual instruments and voices and for ensembles of various size and character. <i>Prerequisites: MUCP 202, Music majors only.</i>
MUCP 305 AURAL SKILLS V	1.0	Continue development of skills in notating/analyzing music that is heard, or performing written music either vocally or with instruments. Exposure to large works in open-score, using clef transposition; introduction to non-Western musical materials and works outside of common-practice period. <i>Prerequisite: MUCP 204; Music majors only.</i>
MUCP 306 AURAL SKILLS VI	1.0	Continue development of skills in notating/analyzing music that is heard or performing written music either vocally or with instruments. Exposure to large works in open-score using clef transposition; introduction to non-Western musical materials and works outside of common-practice period. <i>Prerequisite: MUCP 305; Music majors only.</i>
MUCP 310 KEYBOARD HARMONY I	1.0	Skills pianists will need as professional performers, therapists, and educators. Harmonization, transposition, improvisation, realization of figured bass, reduction of open scores, and sight reading. <i>Prerequisites: MUCP 102; Music majors or minors only.</i>
MUCP 311 KEYBOARD HARMONY II	1.0	Continuation of MUCP 310. <i>Prerequisites: MUCP 310; Music majors or minors only.</i>
MUCP 340 STRUCTURAL ANALYSIS	2.0	Formal organization of selected compositions. <i>Prerequisites: MUCP 202; Music majors only.</i>
MUCP 345 PRIVATE STUDY IN COMPOSITION III	2.0	Restricted to majors in theory/composition. <i>Prerequisites: MUCP 246; Special fee.</i>
MUCP 346 PRIVATE STUDY IN COMPOSITION IV	2.0	Restricted to majors in theory/composition. <i>Prerequisites: MUCP 345; special fee.</i>
MUCP 350 JAZZ THEORY	2.0	Comprehensive study of jazz harmony including in-depth inquiry into past and present common practice. Basic concepts such as chordal structures, progressions, diatonic reharmonization, pentatonic scales, and harmonic rhythm. <i>Prerequisite: MUCP 204.</i>

MUCP 355		
JAZZ ARRANGING	3.0	
An introduction to the concepts of jazz arranging and orchestration. Students will be given the tools to arrange and orchestrate for various sizes of jazz and/or contemporary ensembles. Concepts for creating two, three, and five horn arrangements will be presented. The rhythm section, as used in both large and small groups will be dealt with in-depth.		
<i>Prerequisite: MUCP 350.</i>		
MUCP 361		
ADVANCED STUDIES IN MICROTONAL MUSIC	3.0	
Advanced studies in Microtonal Music, Harry Partch's theories and compositions, contemporary compositional applications.		
<i>Prerequisite: MUHS 361.</i>		
MUCP 362		
MICROTONAL COMPOSITION PROJECTS	2.0	
Composition projects for the MSU Harry Partch Ensemble. May be repeated 3 times for a total of 8 credits.		
<i>Prerequisite: MUHS 361.</i>		
<i>Corequisite: MUPR 361.</i>		
MUCP 405		
SELECTED TOPICS IN THEORETICAL STUDIES	1.0	
Research and discussion of selected topics in theoretical studies focusing on stylistic and analytical problems to be offered as short term courses. May be repeated for credit.		
<i>Prerequisite: MUCP 304; Music majors only.</i>		
MUCP 412		
ELECTRONIC MUSIC COMPOSITION	2.0	
Exploration of electronic music techniques; practical experience in both concrete and synthesizer music.		
<i>Prerequisites: MUCP 202; Music majors only.</i>		
MUCP 445		
PRIVATE STUDY IN COMPOSITION V	3.0	
Restricted to majors in theory/composition.		
<i>Prerequisites: Majors only; MUCP 346; special fee.</i>		
MUCP 446		
PRIVATE STUDY IN COMPOSITION VI	3.0	
Restricted to majors in theory/composition.		
<i>Prerequisites: Majors only; MUCP 346; special fee.</i>		
MUCP 499		
INDEPENDENT STUDY IN MUSIC THEORY/COMPOSITION	1.0-4.0	
Project and/or study area planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUED 105		
INSTRUMENTAL TECHNIQUES: STRINGS I	1.0	
Basic playing skills and pedagogical techniques for teaching violin and viola at the elementary and secondary school levels.		
<i>Prerequisite: Music majors only.</i>		
MUED 106		
INSTRUMENTAL TECHNIQUES: STRINGS II	1.0	
Basic playing skills and pedagogical techniques for teaching cello and string bass at the elementary and secondary school levels.		
<i>Prerequisites: Music majors only; MUED 105.</i>		
MUED 132		
MARCHING BAND TECHNIQUES	1.0	
Methods, organization and planning; drill design, playing, rehearsal techniques. Music majors only.		
<i>Prerequisite: Music majors only.</i>		
MUED 200		
INTRODUCTION TO MUSIC EDUCATION	2.0	
Methodologies, techniques and materials of music education philosophical and practical foundations and applications of learning theories.		
<i>Prerequisite: Sophomore standing; Music majors only.</i>		
MUED 201		
PRACTICUM IN MUSIC EDUCATION I	1.0	
Supervised observation and participation in public school music classes and activities.		
<i>Prerequisites: Music education concentration students only.</i>		
MUED 202		
PRACTICUM IN MUSIC EDUCATION II	1.0	
Development of teaching skills by observation of public school music instruction and by serving as a teacher's aide.		
<i>Prerequisites: MUED 320; Music education concentration students only.</i>		
MUED 205		
INSTRUMENTAL TECHNIQUES: BRASS I	1.0	
Basic playing skills and pedagogical techniques for teaching trumpet and French horn at the elementary and secondary school levels.		
<i>Prerequisite: Music majors only.</i>		
MUED 206		
INSTRUMENTAL TECHNIQUES: WOODWIND I	1.0	
Basic playing skills and pedagogical techniques for teaching clarinet and saxophone at the elementary and secondary school levels.		
<i>Prerequisite: Music majors only.</i>		
MUED 207		
INSTRUMENTAL TECHNIQUES: BRASS II	1.0	
Basic playing skills and pedagogical techniques for teaching trombone, baritone horn/euphonium, and tuba at the elementary and secondary school levels. May be repeated twice for a total of 3 semester hours.		
<i>Prerequisite: Music majors only; MUED 205.</i>		
MUED 208		
INSTRUMENTAL TECHNIQUES: WOODWIND II	1.0	
Basic playing skills and pedagogical techniques for teaching oboe, flute, and bassoon and saxophone at the elementary and secondary school levels. May be repeated twice for a total of 3 semester hours.		
<i>Prerequisite: Music majors only; MUED 206.</i>		
MUED 301		
LABORATORY ENSEMBLE	0.50	
Study of rehearsal and conducting techniques, performance procedures, and application of skills involving secondary instruments. May be taken four times for a total of 2.0 credits.		
<i>Prerequisites: MUPR 335; two of the following: MUED 105, MUED 106, MUED 205, MUED 206, MUED 207, MUED 208, MUED 306.</i>		
MUED 306		
PERCUSSION INSTRUMENTS	1.0	
Elementary skills on snare drum, bass drum, timpani, cymbals, bells, etc.; materials and methods for teaching these instruments in the classroom. Music majors only.		
<i>Prerequisite: Music majors only.</i>		
MUED 320		
MUSIC CLASSROOM METHODS I	3.0	
Processes of music teaching which enhance problem solving and critical thinking on the part of the student. Principles of designing strategies which encourage the development of music skills, creative musical thinking, and positive attitudes in both the general and instrumental classroom setting. Sequential curriculum. Discussion of current methodologies.		
<i>Prerequisites: MUCP 202; Music majors only.</i>		
MUED 321		
MUSIC CLASSROOM METHODS II	3.0	
Musical approaches, activities, and materials appropriate for middle and high school non-performance classes. Special consideration given to musical and intellectual needs of developing adolescents and to current issues in Arts Education.		
<i>Prerequisite: MUED 320.</i>		

- MUED 334**
CHORAL METHODS 3.0
 This course will seek to provide an in-depth exploration of the teaching of choral music as applied to the school music program from the elementary level through secondary. Topics will include items such as program philosophy, recruitment and retention, program organization and management, literature selection and ensemble pedagogy.
Prerequisite: MUCP 202; Music majors only.
- MUED 335**
CONDUCTING FOR MUSIC EDUCATORS 2.0
 Rehearsal and performance techniques involved in conducting elementary and secondary school ensembles. Hands on conducting of Lab Ensemble.
Prerequisite: MUPR 335.
Corequisite: MUPR 033.
- MUED 336**
TEACHING OF ELEMENTARY/MIDDLE SCHOOL INSTRUMENTAL MUSIC 3.0
 This course will cover all aspects of implementing procedures for future music educators to effectively teach elementary and middle school instrumental music. It will range from selecting and implementing quality musical materials in instrumental lessons and rehearsals, setting up lesson schedules, teaching of rhythm, teaching beginning and intermediate group lessons, planning rehearsal procedures and performances, planning ways for the music program to interact with the community, to handling administrative matters pertaining to the instrumental music program.
Prerequisites: Three of the four techniques classes: MUED 105, 205, 206, 306.
- MUED 420**
INSTRUMENTAL METHODS 3.0
 This course will seek to provide an in-depth exploration of the teaching of instrumental music as applied to the school music program from elementary level through secondary. Topics will include items such as program philosophy, recruitment and retention, program organization and management, literature selection, and ensemble pedagogy.
Prerequisites: MUED 105 and 106 and MUED 205 and MUED 206 and MUED 207 and MUED 208 and MUED 305 and MUPR 335.
- MUED 499**
INDEPENDENT STUDY IN MUSIC EDUCATION 1.0-4.0
 Project and/or study area planned with sponsoring faculty member.
Prerequisite: Departmental approval.
- MUGN 100**
INTRODUCTION TO MUSIC 3.0
 Expansion of musical awareness through live performance and directed listening. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
- MUGN 150**
INFLUENCE OF AFRO-AMERICAN CULTURE ON MUSIC 3.0
 Ways in which the Afro-American culture has affected the development of American folk and art music. Meets the Multicultural Awareness Requirement.
- MUGN 160**
INTRODUCTION TO MUSIC IN WORLD CULTURES 3.0
 The cultural and artistic forces which shape the musics of the non-Western world and the various folk and art musics resulting from those forces. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
- MUGN 209**
INTRODUCTION TO JAZZ 3.0
 Jazz as an American phenomenon. Musical materials as manipulated by jazz artists; the impact on American popular music, dance and theater; early jazz players and developments. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
- MUGN 250**
RAP AND ROCK AS CULTURAL PHENOMENA 3.0
 This course will explore the creative process in music of urban cultures. It will examine social structures, and the criteria of the groups which make and appreciate styles that emanate from urban cultures. Rap music will be the primary focus. Attention will also be given to other styles, such as Rock, rooted in the same historical background. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression. Meets the Multicultural Awareness Requirement.
- MUGN 499**
INDEPENDENT STUDY IN MUSIC 1.0-4.0
 Project and/or study planned with sponsoring faculty member.
Prerequisite: Departmental approval.
- MUHS 307**
MUSIC HISTORY I 3.0
 Research methods and music bibliography. Styles, genres and shaping forces of Western music from the rise of polyphony in the Middle Ages through the music of Haydn and Mozart.
Prerequisites: MUCP 102; Music majors or minors only.
- MUHS 308**
MUSIC HISTORY II 3.0
 Continuation of MUHS 307, beginning with Beethoven; the music of the Romantic era as manifested in the nineteenth and twentieth centuries; major currents of the Modern era.
Prerequisites: MUHS 307; Music majors or minors only.
- MUHS 361**
HARRY PARTCH – LIFE AND WORKS 3.0
 Survey of basic theories, instrument inventions, compositions. Features hands-on introduction to instruments, just intonation, acoustics, and ear training.
- MUHS 400**
SELECTED TOPICS IN MUSIC I 3.0
 Intensive study of a single composer or limited array of works may be taken a second time. 7-week course.
Prerequisites: MUHS 308; Music majors or minors only.
- MUHS 401**
SELECTED TOPICS IN MUSIC II 3.0
 Intensive study of a single composer or limited array of works. May be taken a second time. 7-week course.
Prerequisites: MUHS 308; Music majors or minors only.
- MUHS 403**
SELECTED TOPICS IN MUSIC HISTORY 3.0
 Intensive study of composer, a genre or a particular problem in the history of music. May be repeated for credit.
Prerequisites: MUHS 308; Music majors or minors only.
- MUHS 404**
SELECTED TOPICS IN MUSIC HISTORY 3.0
 Intensive study of composer, a genre or a particular problem in the history of music. May be repeated for credit.
Prerequisites: MUHS 308; Music majors or minors only.
- MUHS 407**
MUSIC HISTORY III 3.0
 Major figures, forms, genres and styles from Debussy to the present.
Prerequisite: MUHS 308; Music majors or minors only.
- MUHS 410**
MUSIC OF THE 19TH CENTURY 3.0
 The development of 19th century music from the influence of Beethoven through Romanticism, national schools and into the 20th century.
Prerequisite: MUHS 308.

MUHS 411		
GENRE, STYLE, FORM	3.0	
This course raises questions about periodization of music history, ways in which styles are defined, and categories of genres and their social significance. Emphasis on reception history viewed as the difference between contemporaneous and contemporary accounts of genre, style, and form.		
<i>Prerequisite: MUHS 308.</i>		
MUHS 412		
ESTHETICS OF MUSIC	3.0	
A survey of thinking about the nature effects and position of music from classical Greece to the present.		
<i>Prerequisite: MUHS 308.</i>		
MUHS 499		
INDEPENDENT STUDY IN MUSIC HISTORY AND LITERATURE	1.0-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MULT 230		
VOCAL REPERTORY FROM MONODY TO MOZART	2.0	
Overview of styles, genres, and performance practices of the seventeenth and eighteenth centuries and its musical environment.		
<i>Prerequisites: Majors only, MUPR 131, or departmental approval.</i>		
MULT 231		
THE 19TH CENTURY SONG: LIED AND MELODIE	2.0	
A survey through performance and discussion of the origins and development of the 19th century German Lied and the French Melodie.		
<i>Prerequisites: Majors only, MUPR 131, or departmental approval.</i>		
MULT 232		
THE 20TH CENTURY ART SONG	2.0	
The development of the art song in the 20th century through a survey of solo vocal literature of Europe and the Americas.		
<i>Prerequisites: Majors only, MUPR 131, or departmental permission.</i>		
MUPR 020		
CHAMBER SINGERS	0.0-0.5	
Study through rehearsal and performance of Madrigals. Open to all through audition.		
<i>Prerequisite: Departmental approval</i>		
MUPR 030		
CHOIR	0.0-0.5	
MUPR 031		
ORCHESTRA	0.0-0.5	
MUPR 032		
BAND	0.0-0.5	
MUPR 034		
OPERA WORKSHOP	0.0-2.0	
Opera studied through performance. Nature of dramatic music, problems of movement, make-up, costuming, props and scenery.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 038		
COLLEGIUM MUSICUM	0.0-0.5	
Workshop in performance of Medieval, Renaissance, and Baroque music for instrumentalists and singers. Introduction to the elements of Renaissance musicianship (solmization, modes, musica ficta, notation, improvisation, and ornamentation). Introduction on early instruments (recorder, lute, viol, others). Concert performances of repertory studied.		
MUPR 039		
PERFORMANCE PRACTICUM	0.0	
All music majors must register for this number each semester in order to free their schedules for recital commitments. This course is offered as Pass/Fail only.		
MUPR 040		
PERFORMANCE PRACTICUM FOR PERFORMANCE MAJORS	0.5	
Performance of repertoire for coaching in interpretation, style, analysis, technique, etc. Required in conjunction with each course in the primary and major instrument.		
<i>Prerequisite: Music performance majors only.</i>		
MUPR 100		
CLASS PIANO FOR THE NON-MUSIC MAJOR	3.0	
Basic skills and fundamental knowledge of the keyboard. A basic knowledge of music reading is helpful but not necessary. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
MUPR 103		
VOICE CLASS FOR THE NON-MUSIC MAJOR	3.0	
Study of singing through vocal exercises and the performance of English and American art, theatrical and popular songs. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
MUPR 130		
INTRODUCTION TO DICTION: ENGLISH AND ITALIAN	1.0	
Introduction to the International Phonetic Alphabet and an overview of the basic sounds of Italian and English as they are properly sung. Practice in transcribing, pronouncing and singing examples of Italian and English vocal repertory.		
<i>Prerequisites: Majors and minors only.</i>		
MUPR 131		
DICTION OVERVIEW: GERMAN AND FRENCH	1.0	
Continued work with the International Phonetic Alphabet and an overview of the basic sounds of German and French as they are properly sung. Practice in transcribing, pronouncing, and singing examples of German and French vocal repertory.		
<i>Prerequisites: Majors only; MUPR 130.</i>		
MUPR 201		
KEYBOARD LITERATURE I	2.0	
Investigation of standard keyboard repertory from the early Baroque through the early Romantic.		
<i>Prerequisite: Music Performance majors only.</i>		
MUPR 202		
KEYBOARD LITERATURE II	2.0	
Investigation of standard keyboard repertory from the early Romantic to the present.		
<i>Prerequisites: MUPR 201, Music Performance majors only.</i>		
MUPR 203		
SOPHOMORE RECITAL	1.0	
Public performance of solo literature. Required of MUPR majors. This course will be graded.		
<i>Prerequisites: Music Performance majors only.</i>		
MUPR 204		
PIANO ACCOMPANYING	2.0	
Problems of transposition, ensemble, interpretation and sight reading as applied to accompanying vocal and instrumental literature.		
<i>Prerequisite: Music majors or minors only.</i>		
MUPR 276		
INSTRUMENTAL LITERATURE I	2.0	
Survey of various instrumental genres for solo, small ensemble and orchestra.		
<i>Prerequisite: Music Performance majors only.</i>		
MUPR 277		
INSTRUMENTAL LITERATURE II	2.0	
Continuation of Instrumental Literature I.		
<i>Prerequisites: MUPR 276; Music Performance majors only.</i>		
MUPR 301		
CHAMBER ENSEMBLE PERFORMANCE	0.0-0.5	
Study through playing or singing of chamber music in ensembles of varying size and musical styles.		
<i>Prerequisite: Departmental approval.</i>		

MUPR 302		
JAZZ ENSEMBLE	0.0-0.5	
Contemporary ensemble requirements like jazz phrasing, section playing, interpretation, improvisation studied through ensemble rehearsal and performance.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 303		
JUNIOR RECITAL	1.0	
Public performance of solo literature. Required of MUPR majors, if MUPR 203 not completed. This course will be graded.		
<i>Prerequisites: Music Performance majors only.</i>		
MUPR 304		
JAZZ KEYBOARD AND THEORY	2.0	
Introduction to jazz techniques of harmonization, improvisation and theory at the keyboard in varying styles.		
<i>Prerequisites: MUPR 104 and departmental approval.</i>		
MUPR 335		
ELEMENTARY CONDUCTING	2.0	
Baton techniques and clef reading in orchestral and choral scores.		
<i>Prerequisite: All Music majors or minors.</i>		
MUPR 361		
HARRY PARTCH ENSEMBLE	0.5	
Learning to play instruments from the Harry Partch instrumentarium and new techniques on standard instruments, voice. Repertoire ensemble. May be repeated 7 times for a total of 4 credits.		
MUPR 400		
SELECTED TOPICS IN MUSIC I	1.5	
Intensive study of a single composer or limited array of works. May be taken a second time; 7-week course.		
<i>Prerequisites: Music majors only.</i>		
MUPR 401		
SELECTED TOPICS IN MUSIC II	1.5	
Intensive study of a single composer or limited array of works. May be taken a second time; 7-week course.		
<i>Prerequisites: Music majors only.</i>		
MUPR 403		
SENIOR RECITAL	0.0	
Public performance of solo literature. Required of MUED and MUPR majors. If taken for 1.0 credit (MUPR majors), this course will be graded.		
<i>Prerequisites: Music majors only.</i>		
MUPR 410		
BEGINNING JAZZ IMPROVISATION	1.0	
Study and application of techniques of jazz improvisation for beginning improvisers, including pedagogical considerations. Both the modal and pentatonic methods will be explored with a constant emphasis upon stylistic consideration based in the aural tradition. May be repeated once for a total of two credits.		
<i>Prerequisites: MUCP 101 and MUCP 102 or departmental approval.</i>		
MUPR 411		
JAZZ PEDAGOGY	1.0	
In preparation for the demands of public school teaching, this course will provide a practical pedagogical focus on jazz ensemble instruction. Emphasis will be on the whole and components of small and large instrumental and vocal jazz ensembles with particular emphasis on the rhythm section. Also included will be a pedagogical perspective on content studied in MUPR 410.		
<i>Prerequisite: MUPR 410.</i>		
MUPR 436		
PIANO PEDAGOGY I	2.0	
Methods and materials of teaching piano for piano grades I through IV.		
<i>Prerequisites: Music majors only.</i>		
MUPR 439		
PEDAGOGY I	2.0	
Methods and materials of instruction in music.		
<i>Prerequisite: Music majors only.</i>		
MUPR 499		
INDEPENDENT STUDY IN MUSIC PERFORMANCE	1.0-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUTC 101		
MUSIC AND COMPUTER TECHNOLOGY I	1.0	
Introduction to the musical applications of computer technology. Hands-on experience with leading music software. Final multimedia project required.		
<i>Prerequisite: Departmental approval.</i>		
MUTC 102		
MUSIC AND COMPUTER TECHNOLOGY II	1.0	
Continuation of MUTC 101. In-depth look at digital recording and editing. Hands-on experience with leading music software. Final multimedia project required.		
<i>Prerequisite: MUTC 101.</i>		
MUTC 103		
INTRODUCTION TO AUDIO TECHNOLOGY IN THE STUDIO I	1.0	
An introductory course to audio and recording technology. Focus will include history, explanation of sound properties, hands-on application using recording equipment, and experience performing in a studio environment.		
<i>Prerequisite: Departmental approval.</i>		
MUTC 104		
INTRODUCTION TO AUDIO TECHNOLOGY IN THE STUDIO II	1.0	
Continuation of <i>Introduction to Audio Technology I</i> , with more time spent on recording projects, where students will gain valuable experience operating sophisticated equipment and playing in the studio.		
<i>Prerequisite: MUTC 103.</i>		
MUTC 200		
INDEPENDENT STUDY IN COMPUTER AUDIO TECHNOLOGY	1.0-2.0	
Regularly listed courses pursued in greater depth, at the permission of advisor. May be repeated once for a maximum of four semester hours during the program, but only once per semester.		
<i>Prerequisite: MUTC 101 and 102; departmental approval.</i>		
MUTC 211		
PRACTICUM IN AUDIO TECHNOLOGY	2.0	
Practical applications of techniques using audio technological equipment.		
<i>Prerequisites: MUTC 103 and 104.</i>		
MUTC 299		
INDEPENDENT STUDY IN THE FIELD OF AUDIO TECHNOLOGY	1.0-2.0	
Regularly listed course work pursued in greater depth. May be repeated once for a maximum of four semester hours.		
<i>Prerequisite: MUTC 103 and 104 or departmental approval.</i>		
MUTC 400		
INDEPENDENT STUDY IN COMPUTER AUDIO TECHNOLOGY	1.0-4.0	
Regularly listed courses pursued in greater depth, with permission of advisor. May be repeated three times for a maximum of sixteen semester hours but only once per semester.		
<i>Prerequisite: Departmental approval.</i>		
MUTC 402		
SELECTED TOPICS IN THE FIELD OF AUDIO TECHNOLOGY	3.0	
Study of a specific area in the field of audio technology.		
<i>Prerequisite: MUTC 103 and 104.</i>		

MUTC 499		
INDEPENDENT STUDY IN THE FIELD OF AUDIO TECHNOLOGY	1.0-4.0	
Regularly listed course work pursued in greater depth. May be repeated twice for a maximum of twelve semester hours.		
<i>Prerequisites: MUTC 103 and 104 or departmental permission.</i>		
MUTH 100		
INTRODUCTION TO MUSIC THERAPY	2.0	
Survey of use of music therapy with various populations and other topics of relevance to the music therapist.		
MUTH 260		
METHODS AND MATERIALS IN MUSIC THERAPY	2.0	
A variety of music activities and how to adapt them for music therapy settings; leadership techniques; simple instruments used in therapy.		
<i>Prerequisites: MUTH 261; Music Therapy majors only.</i>		
<i>Corequisite: MUTH 263.</i>		
MUTH 261		
THERAPY AND OBSERVATION SKILLS FOR MUSIC THERAPY	2.0	
Observing, measuring, and recording behavior in a music therapy setting and other aspects of planning for music therapy session as well as observing music therapy sessions.		
<i>Prerequisite: MUTH 100; Music Therapy majors only.</i>		
<i>Corequisite: MUTH 262.</i>		
MUTH 262		
MUSIC THERAPY PRACTICUM I	1.0	
Improvement of the functioning of a client or group of clients with physical or mental disabilities through the use of music therapy. Discussion of the clients and their progress and other aspects of the clinical work.		
<i>Prerequisites: Music Therapy majors only.</i>		
<i>Corequisite: MUTH 261.</i>		
MUTH 263		
MUSIC THERAPY PRACTICUM II	1.0	
Continuation of MUTH 262.		
<i>Prerequisite: Music Therapy majors only.</i>		
<i>Corequisite: MUTH 260.</i>		
MUTH 306		
PIANO ACCOMPANYING TECHNIQUES FOR THE MUSIC THERAPIST	1.0	
Accompanying techniques adapted for music therapy. Choral harmonization, playing by ear, sightreading, learning music therapy repertoire.		
<i>Prerequisite: MSSN 104 or MUCP 311; Music Therapy majors only.</i>		
MUTH 307		
PIANO IMPROVISATION FOR THE MUSIC THERAPIST	1.0	
Improvisation in a variety of styles. Clinical adaptations.		
<i>Prerequisite: MUTH 306; Music Therapy majors only.</i>		
MUTH 361		
MUSIC THERAPY PRACTICUM III	1.0	
Continuation of MUTH 263.		
<i>Prerequisite: Music Therapy majors only.</i>		
<i>Corequisite: MUTH 461.</i>		
MUTH 362		
MUSIC THERAPY PRACTICUM IV	1.0	
Continuation of MUTH 361.		
<i>Prerequisite: Music Therapy majors only.</i>		
<i>Corequisite: MUTH 463.</i>		
MUTH 363		
MUSIC THERAPY PRACTICUM V	1.0	
Continuation of MUTH 362.		
<i>Prerequisite: Music Therapy majors only.</i>		
<i>Corequisite: MUTH 462.</i>		
MUTH 364		
MUSIC THERAPY PRACTICUM VI	1.0	
Continuation of MUTH 363.		
<i>Prerequisite: Music Therapy majors only.</i>		
<i>Corequisite: MUTH 464.</i>		
MUTH 400		
MUSIC THERAPY TRAINING GROUP	1.5	
Expression and exploration of feelings through use of creative media. Particular attention to process so that experience may be generalized and subsequently used with client groups. Meets 2 1/2 hours per week.		
<i>Prerequisite: MUTH 260.</i>		
MUTH 402		
GUIDED IMAGERY AND MUSIC (GIM)	1.5	
Introduction to the facets of Guided Imagery and Music. Theory and process of the technique will be explored verbally and experientially. Is equivalent (with possible additional requirements) to Level I GIM training.		
<i>Prerequisite: MUTH 260.</i>		
MUTH 461		
MUSIC THERAPY WITH CHILDREN	3.0	
Ways in which music and the therapist may be used to influence the behavior of children, the mentally retarded, and the physically disabled.		
<i>Prerequisites: MUTH 260; Music Therapy majors only.</i>		
<i>Corequisite: MUTH 361.</i>		
MUTH 462		
MUSIC THERAPY WITH ADULTS	3.0	
Ways in which music therapy may be used in working with adult psychiatric patients, addictions, offenders, and geriatrics. Setting up a music therapy program.		
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>		
<i>Corequisite: MUTH 363.</i>		
MUTH 463		
PSYCHOLOGICAL FOUNDATIONS OF MUSIC I	3.0	
Emotional correlates of the musical experience are explored through research findings, psychological testing and inquiry, and philosophy. Current theories applied to practice in music therapy, education and performance are discussed.		
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>		
<i>Corequisite: MUTH 362.</i>		
MUTH 464		
PSYCHOLOGICAL FOUNDATIONS OF MUSIC II	3.0	
Basic techniques of conducting, reading, and interpreting psychological research in music are reviewed. Quantitative and qualitative methodologies are emphasized. Implication for various aspects of music are discussed.		
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>		
<i>Corequisite: MUTH 364.</i>		
MUTH 465		
INTERNSHIP IN MUSIC THERAPY	1.0	
Six months clinical training as a music therapy intern in an approved training program.		
<i>Prerequisite: Departmental approval.</i>		
MUTH 499		
INDEPENDENT STUDY IN MUSIC THERAPY	0.5-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		

PHILOSOPHY AND RELIGION

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: David Benfield

Taking courses in philosophy and religious studies means gaining a greater ability to think clearly and independently about the central issues of human life. These studies present the occasion and the means to reflect critically on basic values and beliefs. The courses complement other major programs by enhancing awareness of the philosophical, ethical and religious elements and implications of other academic studies.

Both areas can be taken as a major leading to a Bachelor of Arts degree. They are also good second majors to enrich a liberal arts interest. A minor is offered in both programs. Each major is excellent preparation for later graduate and professional work.

Philosophy Major

Required Courses (21 semester hours)

	Semester Hours
PHIL 210 Ethics	3
PHIL 212 Social and Political Philosophy	3
PHIL 310 Knowledge, Belief and Truth	3
PHIL 312 Existence and Reality	3
PHIL 331 History of Philosophy: Ancient Philosophy	3
PHIL 333 History of Philosophy: Modern Philosophy	3
PHIL 424 Seminar in Philosophy	3

Philosophy Electives 12
To fulfill this requirement a student may take any four PHIL courses except for the seven required courses listed above.

Total Semester Hours 33

Philosophy Minor

Required Courses (18 semester hours)

	Semester Hours
Fields of Philosophy (even course numbers)	6-12
History and Movements in Philosophy (odd course numbers)	6-12

Note: The department recommends that the student consult with a departmental advisor for the choice of courses.

Religious Studies Major

Survey: RELG 101 Introduction to Religion fulfills GER; no credit towards the major.

I. Texts: Two courses required 6

RELG 200 Old Testament: Genesis-Joshua	3
RELG 202 Old Testament: Joshua-Daniel	3
RELG 204 New Testament: Jesus and the Gospels	3
RELG 206 New Testament: Paul and the Early Church	3
RELG 207 Religious Texts in America: Women	3
RELG 214 Classical Texts of Asian Religions	3
RELG 300 Classics of Western Religious Thought	3
RELG 352 Selected Study in Religious Texts	3

II. Issues: Two courses required 6

RELG 103 Religion and Moral Issues	3
RELG 104 Feminist Theology and Spirituality	3
RELG 107 Death and Dying: Religious Perspectives	3
RELG 225 Religion and Social Change	3
RELG 273 The Holocaust: Religious Perspectives	3
RELG 332 Myth, Meaning and Self	3
RELG 357 Selected Study in Religious Issues	3

III. Approaches: Two courses required 6

RELG 221 Religion and Culture	3
RELG 262 Philosophy of Religion	3
RELG 263 Religion and Psychology	3
RELG 267 Women in Religion	3
RELG 326 Theology	3
RELG 355 Selected Study in Religion and Culture	3

IV. Global Religious Traditions: (RELG 100, plus 3 other courses) ... 12

RELG 100 Religions of the World (required)	3
RELG 106 African Religious Traditions	3
RELG 108 African-American Religious Experience	3
RELG 210 Native American Religions	3
RELG 212 Asian Religions	3
RELG 216 Islamic Religious Traditions	3
RELG 223 Religion in North America	3
RELG 256 Religion in Latin America	3
RELG 258 Christian History and Thought	3
RELG 301 Contemporary Jewish Thought	3
RELG 350 Selected Study in World Religions	3

V. Seminars: One required 3

RELG 460 Seminar in World Religions	3
RELG 462 Seminar in Religious Texts	3
RELG 465 Seminar in Religion and Culture	3
RELG 467 Seminar in Religious Issues	3

Focus: In selecting courses from the above categories, students must include at least one of the following: RELG 104, RELG 207, RELG 267.

Total Semester Hours 33

Religious Studies Minor

Required Courses

RELG 101 Introduction to Religion	3
RELG Seminar in Religious Studies (select one)	3

Electives (Departmental)

Select 12 semester hours from the appropriate list to be obtained from the department 12

Total Semester Hours 18

Courses of Instruction

Philosophy

PHIL 100
INTRODUCTION TO PHILOSOPHY 3.0

The nature, scope, methods, basic problems and major types of philosophy. Meets Gen Ed 2002-Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

PHIL 106
LOGIC 3.0

The forms of deductive and inductive argument in traditional logic, the fundamentals of modern formal logic. Meets Gen Ed 2002-Philosophy or Religion. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

PHIL 202
ETHICS AND BUSINESS 3.0

A study of the meaning of morality in the modern world of business. Course contains a balance of theory and practice as it examines behavior of business against background of conflicting ethical theory.

PHIL 204
PHILOSOPHICAL ISSUES IN BIOMEDICAL ETHICS 3.0

A study of moral decision making in regard to specific moral problems arising in such areas of contemporary medical research and practice as experimentation on human subjects, euthanasia, abortion, information rights of patients, and eugenic sterilization.

- PHIL 206**
PHILOSOPHICAL ISSUES IN LAW AND JUSTICE 3.0
 An examination of current philosophical accounts of both distributive and retributive justice. Close attention will be paid to such specific issues as the right of society to legislate its common morality, the use of behavior modification techniques on criminal offenders and the restoration of capital punishment.
- PHIL 210**
ETHICS 3.0
 The nature of ethical judgments, the meaning of moral concepts, the conditions of moral responsibility and the methodological presuppositions of ethical theories. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.
- PHIL 212**
SOCIAL AND POLITICAL PHILOSOPHY 3.0
 The nature of society and the state, their relation to each other and to the individual, and an evaluation of some main political and social ideals. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.
- PHIL 231**
AMERICAN PHILOSOPHY 3.0
 The major American philosophers and philosophical movements with emphasis on Peirce, James, Royce, and Dewey.
- PHIL 233**
CONTEMPORARY PHILOSOPHERS 3.0
 The major movements in contemporary philosophy, studied through writings of leading exponents.
- PHIL 237**
ASIAN PHILOSOPHY 3.0
 Philosophical interpretations of experience and reality in representative movements of Eastern thought. Meets the Multicultural Awareness Requirement.
- PHIL 239**
EXISTENTIALISM 3.0
 The major themes and concepts of existentialism in selected writings of the existentialist philosophers.
- PHIL 260**
PHILOSOPHIES OF ART 3.0
 The major philosophies of art in the history of Western thought. The conceptual network of ideas of the thinker in question will be delineated, and connections shown between the thinker and the philosophical and artistic themes of that period.
- PHIL 262**
PHILOSOPHY OF RELIGION 3.0
 The nature and shape of religious experience; criteria for meaning within religious thought and language. Metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.
- PHIL 264**
CRITICAL REASONING AND ARGUMENTS 3.0
 An intermediary level course concentrating upon argumentation and rhetorical devices as they actually function in everyday conversation, philosophical discussion, forensic debate, etc. Arguments will be examined with an eye to penetrating purely formal structure and discovering the underlying dynamics which contribute to cogency in a given context.
- PHIL 266**
PHILOSOPHY OF SCIENCE 3.0
 The epistemological character of scientific thought and the relevance of scientific findings for the clarification and eventual resolution of traditional philosophical issues.
- PHIL 270**
PHILOSOPHY OF MIND 3.0
 Philosophical issues arising from the study of mental processes including the relation of a person to the body, life after death, and the possible reduction of consciousness to a brain process.
- PHIL 280**
PHILOSOPHY OF CYBERSPACE 3.0
 Contemporary and classical philosophical and ethical issues as applied to computer-mediated communication.
- PHIL 290**
FIELDS OF PHILOSOPHY: SELECTED TOPICS 3.0
 Selected study of major fields in philosophy. Philosophy of science, philosophy of history, philosophy of law. Topics announced each semester.
- PHIL 295**
PERIODS AND MOVEMENTS: SELECTED TOPICS 3.0
 Topics announced each semester.
- PHIL 310**
KNOWLEDGE, BELIEF AND TRUTH 3.0
 The major issues and theories concerning the relationship between knowledge, experience and reality.
- PHIL 312**
EXISTENCE AND REALITY 3.0
 An examination of major philosophical theories concerning the nature of reality.
- PHIL 316**
PHILOSOPHY OF LAW 3.0
 An introduction to the philosophical issues of jurisprudence. Close attention is given to the status and nature of law, the concept of equality and the limits of law.
- PHIL 324**
LEGAL REASONING 3.0
 Theoretical foundations for developing models and methods of addressing legal problems. Principles of legal reasoning and argument in the Anglo-American common law tradition. Models of legal reasoning and methodology for resolving legal problems as developed within evolving social and philosophical notions of justice and fairness. Cross listed with Legal Studies, LSLW 324.
- PHIL 331**
HISTORY OF PHILOSOPHY: ANCIENT PHILOSOPHY 3.0
 The major philosophical systems and movements from the pre-Socratics to Plotinus with special emphasis on Plato and Aristotle.
- PHIL 333**
HISTORY OF PHILOSOPHY: MODERN PHILOSOPHY 3.0
 The major philosophical systems and movements from the Renaissance to Kant.
- PHIL 335**
NINETEENTH CENTURY PHILOSOPHY 3.0
 A study of the major philosophical figures and movements of the nineteenth century, with special emphasis on Hegel and the Hegelian tradition.
- PHIL 390**
FIELDS OF PHILOSOPHY: SELECTED TOPICS 3.0
 Selected study of major fields in philosophy. Topics announced each semester.
- PHIL 395**
PERIODS AND MOVEMENTS: SELECTED TOPICS 3.0
 Topics announced each semester.
- PHIL 424**
SEMINAR IN PHILOSOPHY 3.0
 Cooperative research seminars in major movements, problems, philosophers or works. Topic announced each semester.
- PHIL 446**
INDEPENDENT STUDY IN PHILOSOPHY 3.0-12.0
 Directed independent study and research in philosophy. Open to students with a minimum of 3.0 cumulative average in at least 9 semester hours of philosophy.
Prerequisite: Departmental approval.

Religion

Courses of Instruction

RELG 100

RELIGIONS OF THE WORLD 3.0
The major religious traditions, with emphasis on basic beliefs and on the nature and diversity of religious awareness. Meets Gen Ed 2002–Philosophy or Religion. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 101

INTRODUCTION TO RELIGION 3.0
An inquiry into man's religious questions and expressions, their implications, and their critical appreciation and assessment. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 103

RELIGION AND MORAL ISSUES 3.0
Ethical issues as currently discussed by representative thinkers of the major Western religious traditions. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 104

FEMINIST THEOLOGY AND SPIRITUALITY 3.0
This course will examine primary religious documents, their traditional interpretations, and recent feminist interpretations of these documents. It will examine the feminist claim that the traditional mind/body dualism of Western thought serves as a basis for the subjugation of women in traditional patriarchal religions.

RELG 106

AFRICAN RELIGIOUS TRADITIONS 3.0
An introduction to the indigenous cosmological concepts, ritual practices, and value systems of the peoples of sub-Sahara Africa. The retentions of African religious beliefs and practices in the cultures of the "New World" as encountered in Voodoo in Haiti, Santeria in Cuba, and Candomble in Brazil will also be examined. Meets the Multicultural Awareness Requirement.

RELG 107

DEATH AND DYING: RELIGIOUS PERSPECTIVES 3.0
This course is designed to give the student opportunity to study cross cultural religious and philosophical attitudes toward death and the procedures surrounding death. Material for the course will cover rituals of death and dying in both Eastern and Western religious tradition as well as "secular" rituals associated with death. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 108

AFRICAN-AMERICAN RELIGIOUS EXPERIENCE 3.0
The course will aim at engaging students in an active examination of the role of religion in the life of African-Americans from the period of slavery to the present. Students will be expected to read extensively from a list of recommended texts and to write critical analyses on assigned topics. The style of instruction will combine lecture with discussion, thereby encouraging students to develop skills in critical thinking as well as the art of verbal expression. Meets the Multicultural Awareness Requirement.

RELG 200

OLD TESTAMENT: GENESIS TO JOSHUA 3.0
The evolution of the ancient Hebrew world view as developed in the biblical books covering the early period of Israelite history. The course includes a close reading of the books of Genesis, Exodus and Numbers, comparison with contemporary Middle Eastern religious texts and study of the biblical story from the creation through the career of Moses (circa 1250 B.C.E.).

RELG 202

OLD TESTAMENT: JOSHUA TO DANIEL 3.0
The history and theology of Israelite religion as seen in the biblical books covering the middle and late periods (1150-165 B.C.E.).

RELG 204

NEW TESTAMENT: JESUS AND THE GOSPELS 3.0
The story of Jesus of Nazareth as told in the Gospels of Mark and Matthew. The course explores Old Testament backgrounds, Jesus' place in the Jewish religious context of first century Israel, the question of the historical Jesus and the origins of and relationships between the various gospel traditions.

RELG 206

NEW TESTAMENT: PAUL AND THE EARLY CHURCH 3.0
A close study of Luke-Acts, John, selected letters of Paul and other later Epistles. The course explores the development of the theology and institutions of the early church as revealed in New Testament documents of the first and early second centuries.

RELG 207

RELIGIOUS TEXTS IN AMERICA: WOMEN 3.0
The course will examine original texts by women written during the religious growth and development of such movements as Evangelicalism, Mormonism, the Westward missionary expansion, African-American slave narratives, hymns, sermons, and exhortations. Emphasis will be on the ways religion served as an acceptable locus of expression for women.

RELG 210

NATIVE AMERICAN RELIGIONS 3.0
An introduction to the religious traditions and spirituality of the Native American peoples. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

RELG 212

ASIAN RELIGIONS 3.0
The cultural and theological bases for the faith and practice of major Eastern religions - Buddhism, Confucianism, Hinduism, Taoism. Meets the Multicultural Awareness Requirement.

RELG 213

BUDDHISM 3.0
The exploration of Buddhist teachings, practices, history, and religious art in various Asian countries, notably India, Southeast Asia, Japan, and Tibet (may vary). Meets the Multicultural Awareness Requirement. No prerequisites, but RELG 100 *Religions of the World*, is recommended.

RELG 214

CLASSICAL TEXTS OF ASIAN RELIGIONS 3.0
This course emphasizes critical analysis and interpretation of primary textual sources. Students will read and examine primary documents from each of the Asian religions, their traditional interpretations and recent understandings and application of these texts.

RELG 215

HINDUISM
An introduction to Hindu religious traditions, including philosophy, yoga practice, ritual worship, and sacred art. No prerequisites, but RELG 100 *Religions of the World* is recommended.

RELG 216

ISLAMIC RELIGIOUS TRADITIONS 3.0
The historical origins of Islam, the emergence and development of various strands of religious tradition, and their impact on the modern world.

RELG 217

TAOISM
An introduction to Taoist religious texts and traditions, including the *Tao Te Ching* and *Chuang Tzu*; Taoist connections with traditional Chinese medicine and martial arts; Taoist ritual traditions; and sacred art. No prerequisites, but RELG 100 *Religions of the World* is recommended.

RELG 221

RELIGION AND CULTURE 3.0
The interrelation of religion and culture in the formulation of human values and views, life-styles and institutions. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 223

RELIGION IN NORTH AMERICA 3.0
The growth and development of various religious movements--Protestant, Catholic, Jewish, and sectarian minorities--from colonial times to the present.

RELG 225

RELIGION AND SOCIAL CHANGE 3.0
Examines the impact of economic, social and political movements on religious belief and the ways in which religion has both furthered and impeded social development. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

RELG 256		
RELIGION IN LATIN AMERICA	3.0	
A survey of the variety of ways religion, both indigenous and Western, has interacted with culture and society in Latin America. Particular emphasis is given to the pluralism of religious expressions, including popular religion, syncretic religions such as Voodoo and Santeria, different forms of Protestantism, and liberation theology.		
RELG 258		
CHRISTIAN HISTORY AND THOUGHT	3.0	
A survey of the history of the development of the Christian world-view, the evolution of Christian institutions and doctrines, and the triumphs and failures of Christianity through the period of the Reformation.		
RELG 262		
PHILOSOPHY OF RELIGION	3.0	
A philosophical examination of religion. It includes the nature and shape of religious experience: criteria for meaning within religious thought and language, metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.		
RELG 263		
RELIGION AND PSYCHOLOGY	3.0	
The views of faith and the religious person reached by such major psychological approaches as the Freudian, Neo-Freudian, analytic-ego, existential and Jungian. The implications of such psychology for Jewish, Catholic, and Protestant believers and religious thinkers.		
RELG 267		
WOMEN IN RELIGION	3.0	
Focuses on women's own experience in religions and the various perspectives of women held by both Eastern and Western religious traditions. The course deals with questions such as the nature of women, patriarchy and religion, and roles of women in religions. Meets the Multicultural Awareness Requirement.		
RELG 273		
THE HOLOCAUST: RELIGIOUS PERSPECTIVES	3.0	
A study of Nazi extermination of 6,000,000 Jews during World War II and the moral and religious issues raised by this event.		
RELG 300		
CLASSICS OF WESTERN RELIGIOUS THOUGHT	3.0	
Selected works of significant theologians of the Western tradition on issues such as the nature of God, Christology, soteriology, ecclesiology, theodicy, etc.		
RELG 301		
CONTEMPORARY JEWISH THOUGHT	3.0	
The writings of Rosenzweig, Buber, Heschel, Rubenstein, Fackenheim, Plaskow, Wyschogrod and others will be examined in detail. They will be studied in the context of the religious crisis of modern society which has generated Existentialism, Death of God theology and radical shifts in Jewish life (the Holocaust and the rebirth of Israel). Students will be introduced to popular Jewish religious practice in America and elsewhere as well as to the most complex Jewish theological speculation of this century.		
RELG 326		
THEOLOGY	3.0	
An introduction to the theological efforts of Jews, Christians, and Muslims to wrestle out "the meaning of" their communal faith in rational, speculative, critical, and creative ways. Includes study of how the most influential Jewish and Christian theologians shaped Western culture, and of how recent and contemporary criticism challenges theological approaches.		
RELG 332		
MYTH, MEANING AND SELF	3.0	
Selected psychological investigations and/or theories of religious phenomena; the implications for constructive theology and positive religious response.		
RELG 350		
SELECTED STUDY IN WORLD RELIGIONS	3.0	
Topics announced each semester.		
RELG 352		
SELECTED STUDY IN RELIGIOUS TEXTS	3.0	
Topics announced each semester.		
RELG 355		
SELECTED STUDY IN RELIGION AND CULTURE	3.0	
Topics announced each semester.		
RELG 357		
SELECTED STUDY IN RELIGIOUS ISSUES	3.0	
Topics announced each semester.		
RELG 460		
SEMINAR IN WORLD RELIGIONS	3.0	
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.		
RELG 462		
SEMINAR IN RELIGIOUS TEXTS	3.0	
Cooperative research seminar in major movements, problems, theologians.		
RELG 465		
SEMINAR IN RELIGION AND CULTURE	3.0	
Cooperative research seminars in major movements, problems, theologians. Topic announced each semester.		
RELG 467		
SEMINAR IN RELIGIOUS ISSUES	3.0	
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.		
RELG 490		
INDEPENDENT STUDY IN RELIGION	3.0-12.0	
Directed independent study and research in religious studies. Open to students with a minimum of 3.0 cumulative average in at least 9 semester hours of religion.		
<i>Prerequisite: Departmental approval.</i>		

POLITICAL SCIENCE

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: George N. Zilbergeld

Political Science is a branch of the social sciences concerned with the theory and practice of government and politics. There are six areas of interest a student may pursue: Political Thought and Philosophy, American Politics, Comparative Politics, International Relations, Public Administration, and Law.

The department also provides a Public Administration minor in order to give those seeking employment in state or local government the necessary background. It is open to all students.

Graduates in the political science major receive a Bachelor of Arts degree.

Political Science Major

Required Courses

	Semester Hours
POLS 100 Introduction to Politics	3
POLS 101 American Government and Politics	3
POLS 201 Comparative Politics	3
POLS 202 International Relations	3
POLS 408 Development of Political Thought to Machiavelli	3

Electives (Departmental)

Select 18 semester hours from the following:	18
POLS 203 International Organizations	3
POLS 204 Government and Politics of Africa	3
POLS 205 Introduction to Public Administration	3
POLS 206 Government and Politics of China and Japan	3
POLS 214 Women in Politics	3
POLS 301 American Party System	3
POLS 302 Public Opinion and Pressure Groups	3
POLS 303 Politics of Development and Modernization	3
POLS 304 State and Local Government	3
POLS 306 Campaign Politics	3
POLS 307 American Political Thought	3
POLS 308 Ethnic Politics in America	3
POLS 309 Urban Politics	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 312 Black Politics in America	3
POLS 314 Seminar in Campaign Politics	3
POLS 315 Urban Administration	3
POLS 316 Contemporary Western European Politics	3
POLS 317 The American Congress	3
POLS 318 The American Presidency	3
POLS 320 Law in Society: Civil Law	3
POLS 321 Law in Society: Criminal Law	3
OR	
LSPR 301 Criminal Law and Procedure	3
POLS 322 American Constitutional Law: The Federal System	3
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
POLS 324 American Public Policy	3
POLS 330 American Foreign Policy	3
POLS 404 Government and Politics of India and South Asia	3
POLS 405 Government and Politics of Latin America	3
POLS 406 Government and Politics of the Middle East	3
POLS 407 Government and Politics in the Post-Soviet States	3
POLS 409 Modern Political Thought	3
POLS 410 Directed Study	3
POLS 412 Government and Politics in the East European States	3
POLS 416 Selected Topics in Political Science	3
POLS 420 Seminar and Internship in Political Science	4
POLS 425 Politics of the Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4
POLS 430 International Law	3
POLS 435 Senior Honors Seminar	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSOC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Political Science Minor

Semester Hours

Core Course Requirement

POLS 100 Introduction to Politics	3
---	---

Additional Required Courses

(One course must be selected from three of the following four core areas):

American Government

POLS 101 American Government and Politics	3
POLS 304 State and Local Government	3

Comparative Politics

POLS 201 Comparative Politics	3
POLS 303 Politics of Development and Modernization	3

International Relations

POLS 202 International Relations	3
POLS 203 International Organizations	3

Political Theory

POLS 307 American Political Thought	3
POLS 408 Development of Political Thought to Machiavelli	3

Political Science Electives

Select 6 semester hours from the following:

POLS 203 International Organizations	3
POLS 204 Government and Politics of Africa	3
POLS 205 Introduction to Public Administration	3
POLS 206 Government and Politics of China and Japan	3
POLS 214 Women in Politics	3
POLS 301 American Party System	3
POLS 302 Public Opinion and Pressure Groups	3
POLS 303 Politics of Development and Modernization	3
POLS 304 State and Local Government	3
POLS 306 Campaign Politics	3
POLS 307 American Political Thought	3
POLS 308 Ethnic Politics in America	3
POLS 309 Urban Politics	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 312 Black Politics in America	3
POLS 314 Seminar in Campaign Politics	3
POLS 315 Urban Administration	3
POLS 316 Contemporary Western European Politics	3
POLS 317 The American Congress	3
POLS 318 The American Presidency	3
POLS 320 Law in Society: Civil Law	3
POLS 321 Law in Society: Criminal Law	3
POLS 322 American Constitutional Law: The Federal System	3
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
POLS 324 American Public Policy	3
POLS 330 American Foreign Policy	3
POLS 404 Government and Politics of India and South Asia	3
POLS 405 Government and Politics of Latin America	3
POLS 406 Government and Politics of the Middle East	3
POLS 407 Government and Politics in the Post-Soviet States	3
POLS 409 Modern Political Thought	3
POLS 410 Directed Study	3
POLS 412 Government and Politics in the East European States	3
POLS 416 Selected Topics in Political Science	3
POLS 420 Seminar and Internship in Political Science	4
POLS 425 Politics of the Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4

POLS 430	International Law	3
POLS 435	Senior Honors Seminar	3

Minimum credits required for the Political Science Minor 18

Public Administration Minor

Required Courses

	Semester Hours
POLS 101 American Government and Politics	3
POLS 205 Introduction to Public Administration	3

Electives (Departmental)

Select 12 semester hours from the following list:

POLS 304 State and Local Government	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 315 Urban Administration	3
POLS 324 American Public Policy	3
POLS 425 Politics of Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4
Minimum required for the minor	18

Courses of Instruction

POLS 100
INTRODUCTION TO POLITICS 3.0
This course analyzes politics from the four main vantage points of the discipline of political science, that is, political theory, comparative politics, international relations and American government. Of special concern is the U.S. Constitution, its classical and English roots, and its development to the present. This course is required for Political Science majors. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course.

POLS 101
AMERICAN GOVERNMENT AND POLITICS 3.0
This course will introduce students to the basic institutions and processes of American politics, and will do so, in part, through a focus on current policy issues. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course.

POLS 201
COMPARATIVE POLITICS 3.0
Constitutional principles, governmental institutions and political processes of selected contemporary states. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

POLS 202
INTERNATIONAL RELATIONS 3.0
Recent and contemporary world politics and the foreign relations and policies of selected states.

POLS 203
INTERNATIONAL ORGANIZATIONS 3.0
The nature, place, need, evolution, principles, achievements and functioning of major international organizations, with emphasis upon the United Nations and selected regional organizations.

POLS 204
GOVERNMENT AND POLITICS OF AFRICA 3.0
The salient characteristics of government and politics in the independent Black African states, and the way these impinge on developmental efforts therein, are examined. Meets the 1983 General Education Requirement (GER)-Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 205
INTRODUCTION TO PUBLIC ADMINISTRATION 3.0
Literature and developments in the field of public administration; the federal bureaucracy in the policy-making process.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 206
GOVERNMENT AND POLITICS OF CHINA-JAPAN 3.0
Governmental and political development, institutions, and practices in contemporary China-Japan. Meets the 1983 General Education Requirement (GER)-Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 214
WOMEN IN POLITICS 3.0
The role of women in the functioning of the American political system. Meets the Multicultural Awareness Requirement.

POLS 301
AMERICAN PARTY SYSTEM 3.0
Organization, function and practice of political parties in the U.S.; campaign functions, membership problems, political finance and policy formation practices.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 302
PUBLIC OPINION AND PRESSURE GROUPS 3.0
The nature and development of public opinion and pressure groups in the United States and their influence on public policy and political process.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 303
POLITICS OF DEVELOPMENT AND MODERNIZATION 3.0
The major contemporary schools of political modernization and development theory; inter-relationship among political, social and economic variables.
Prerequisite: POLS 201.

POLS 304
STATE AND LOCAL GOVERNMENT 3.0
State political sub-systems, including their administrative and local sub-systems, federal-state relations, political institutions and groups in the states and in New Jersey. This course helps students understand lawmaking and enforcement as functions of state and local government.

POLS 306
CAMPAIGN POLITICS 3.0
This course is taught in election years and provides the student with field experience at the local precinct or party level.
Prerequisite: POLS 100 or 101.

POLS 307
AMERICAN POLITICAL THOUGHT 3.0
The development of American ideas covering political authority from Hamilton, Madison and Marshall to the present.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 308
ETHNIC POLITICS IN AMERICA 3.0
The political behavior of American ethnic groups from the Puritans to the Puerto Ricans. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 309
URBAN POLITICS 3.0
The policies, processes, inter-relationships and organization of governments in heavily-populated areas of the United States.

- POLS 310**
PUBLIC PERSONNEL ADMINISTRATION 3.0
 The problems and processes in the U.S. of public personnel administration at the state and local level.
- POLS 311**
GOVERNMENTAL BUDGETING 3.0
 The budgetary process in governmental agencies from the perspective of political demands and influences.
- POLS 312**
BLACK POLITICS IN AMERICA 3.0
 Black participation in the American political system from the Colonial period to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- POLS 314**
SEMINAR IN CAMPAIGN POLITICS 3.0
 Seminar in Campaign Politics provides an introduction to the history and theory surrounding elections in the United States and complements student practicums in POLS 306.
Corequisite: POLS 306.
- POLS 316**
CONTEMPORARY WESTERN EUROPEAN POLITICS 3.0
 Government and politics of Great Britain, France, Germany and Italy. Institutions, parties, ideologies and interest groups.
- POLS 317**
THE AMERICAN CONGRESS 3.0
 This course will provide a detailed examination of the United States Congress. It will allow students to explore in depth one of the key American political institutions introduced to them in POLS 101, *American Government and Politics*.
Prerequisite: POLS 101 or departmental approval.
- POLS 318**
THE AMERICAN PRESIDENCY 3.0
 This course will provide a detailed examination of the American presidency. It will allow students who were introduced to the presidency in POLS 101, *American Government and Politics*, to explore in depth one of the key institutions of the American political system.
Prerequisites: POLS 101 or departmental approval.
- POLS 320**
LAW IN SOCIETY CIVIL LAW 3.0
 This course will examine the American civil legal system as it affects a variety of our social institutions.
- POLS 321**
LAW IN SOCIETY: CRIMINAL LAW 3.0
 Introduces the student to institutions, processes, and social functions of criminal law. Students may take POLS 321 or LSPR 301 but not both courses as part of the Political Science major, the Paralegal Studies minor or the Criminal Justice minor.
- POLS 322**
AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM 3.0
 Interpretation of Supreme Court decisions in the areas of the distribution of power within the national government and between the national government and the states.
Prerequisite: POLS 101.
- POLS 323**
AMERICAN CONSTITUTIONAL LAW: CIVIL RIGHTS AND LIBERTIES 3.0
 The development of the Constitution and the Supreme Court of the United States illustrated through reference to court opinions in civil rights and liberties.
- POLS 324**
AMERICAN PUBLIC POLICY 3.0
 A study of the methods used to analyze public policy and an examination of current public policy issues. Special attention is given to the use of comparative analysis in analyzing American public policies. This course deals with issues such as crime, punishment, social welfare, drug abuse, child abuse, equality, health, education and the environment. It focuses on public policy responses to these issues.
- POLS 330**
AMERICAN FOREIGN POLICY 3.0
 A consideration and analysis of the goals that the nation's foreign policy officials seek to attain abroad, the values that give rise to those objectives, and the means or instruments through which they are pursued.
Prerequisite: POLS 202.
- POLS 404**
GOVERNMENT AND POLITICS OF INDIA AND SOUTH ASIA 3.0
 The political experiences and institutions of the Indian subcontinent since 1947: The Republic of India, Pakistan, Ceylon and Bangladesh. Meets the Multicultural Awareness Requirement.
Prerequisite: POLS 201 or departmental approval.
- POLS 405**
GOVERNMENT AND POLITICS OF LATIN-AMERICA 3.0
 Governmental and political development, organization and practices in the states of Central America and South America. Meets the Multicultural Awareness Requirement.
Prerequisite: POLS 201 or departmental approval.
- POLS 406**
GOVERNMENT AND POLITICS OF THE MIDDLE EAST 3.0
 Government and politics in the Arab states, Turkey, Israel and Iran.
Prerequisite: POLS 201 or departmental approval.
- POLS 407**
GOVERNMENT AND POLITICS IN THE POST-SOVIET STATES 3.0
 The political and institutional organizations of the countries of the former Soviet Union; contemporary political issues; party and governmental structures.
Prerequisites: POLS 201 or departmental approval.
- POLS 408**
DEVELOPMENT OF POLITICAL THOUGHT TO MACHIAVELLI 3.0
 Selected major political philosophies from Plato and Aristotle, up to, but not including, Machiavelli.
- POLS 409**
MODERN POLITICAL THOUGHT 3.0
 Selected political philosophers from Machiavelli to the present.
- POLS 410**
DIRECTED STUDY 3.0-6.0
 Juniors and seniors may elect three to six credits of independent study under the direction of a member of the Political Science staff.
- POLS 412**
GOVERNMENT AND POLITICS IN THE EAST EUROPEAN STATES 3.0
 The political and governmental organizations of the Communist countries of Eastern and Central Europe (exclusive of the former U.S.S.R.); institutions, processes and problems, including inter-regional relations.
Prerequisite: POLS 201 or departmental approval.
- POLS 416**
SELECTED TOPICS IN POLITICAL SCIENCE 3.0
 This course allows the instructor to select a political problem which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in a regular course.

POLS 420
SEMINAR AND INTERNSHIP IN POLITICAL SCIENCE 4.0
 In this course students will work as interns for one semester in the office of a N.J. State Legislator, U.S. Congressperson or Senator, or state or federal executive.

POLS 425
POLITICS OF FEDERAL BUREAUCRACY 3.0
 In-depth examination of the federal bureaucracy in relationship with national, state and local agencies.
Prerequisite: POLS 101 or departmental approval.

POLS 426
SEMINAR AND INTERNSHIP IN PUBLIC ADMINISTRATION I 4.0-6.0
 A one semester public administration field experience in local government. Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 427
SEMINAR AND INTERNSHIP IN PUBLIC ADMINISTRATION II 4.0-6.0
 A one semester public administration field experience in local government. Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 429
QUANTITATIVE ANALYSIS IN POLITICAL SCIENCE 3.0
 The main goal of this course will be to familiarize students with various quantitative methods used in political science research with the aim of giving them the ability to evaluate and criticize such research. A variety of quantitative techniques will be covered, ranging from simple descriptive statistics to Guttman scaling to factor analysis. Students will also be given basic training in how to use canned statistical programs and basic data processing.

POLS 430
INTERNATIONAL LAW 3.0
 The nature, place, evolution, subjects, sources, principles, role and substance of international law in the international system of nation-states.
Prerequisite: POLS 202, or 203, or departmental approval.

POLS 435
SENIOR HONORS SEMINAR 3.0
 The course will involve intensive research in a seminar setting for senior political science majors. Students will conduct original research and present reports to meetings of the seminar.
Prerequisites: The course will be open only to senior majors with at least a 3.4 cumulative grade point average in political science.



PSYCHOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Sandra-Collins

Undergraduate courses in psychology establish a sound basis for later professional or graduate training in psychology. As part of a broad liberal education, they satisfy the needs of students, (majors and non-majors), and teach principles and techniques as intellectual tools for work in other social and biological sciences and in professional fields such as social work, journalism, business and law. Courses required for teacher certification in the State of New Jersey, as described in the Teacher Education program, are provided.

In addition to a diverse general psychology program, the department offers a minor in Psychology and an Honors Seminar Program.

Psychology Major

Required Courses

	Semester Hours
PSYC 101 General Psychology I: Growth and Development	3
PSYC 203 General Psychology II: An Experimental Approach	3
PSYC 220 Quantitative Methods in Psychology	4
PSYC 301 Experimental Psychology	4

Electives (Departmental)

Select 24 semester hours from the following lists 24

Introductory Psychology Electives (with only PSYC 101 as a prerequisite):

PSYC 202 Adolescent Psychology	3
PSYC 225 Psychology of Adjustment	3
PSYC 227 Psychological Aspects of Human Sexuality	3
PSYC 230 Environmental Psychology	3
PSYC 231 Psychology of Aggression	3
PSYC 235 Psychology of Exceptional Children and Youth	3
PSYC 245 Mental Health Issues of Hispanic Americans	3
PCOM 245 Introduction to Community Psychology	3
PSYC 246 Psychology of Black Experience	3
PSYC 248 Psychology and Law	3
PSYC 265 Psychology of Women	3
PSYC 268 Psychological Aspects of Aging	3
PSYC 290 Introduction to Cognitive Science	3

Advanced Psychology Electives:

(Select 9 credits from Group A and 9 credits from Group B)

Group A:

PSYC 224 Children's Rights and Child Advocacy	3
PSYC 300 The Teaching of Psychology	3
PSYC 302 Health Psychology	3
PSYC 320 Developmental Psychology I	3
PSYC 332 Psychological Foundations of Personality	3
PSYC 360 History and Systems of Psychology	3
PSYC 365 Abnormal Psychology	3
PSYC 366 Health Psychology: Applications to the Community	3
PCOM 385 Advanced Community Psychology: Externship	3
PSYC 402 Social Roles of Psychotherapies	3
PSYC 405 Psychological Anthropology	3

Group B:

PSYC 303 Industrial and Organizational Psychology	3
PSYC 304 Social Psychology	3
PSYC 305 Physiological Psychology	3
PSYC 308 Perception	3
PSYC 310 Introduction to Psychological Testing	3
PSYC 313 Cognition	3
PSYC 314 Psychology of Judgment and Decision Making	3
PSYC 340 Human Learning and Memory	3
PSYC 348 Psycholinguistics	3
PSYC 353 Comparative Animal Behavior	3
PSYC 355 Motivation	3

PSYC 358 Fundamentals of Conditioning and Learning	3
PCOM 387 Methods in Evaluation Research	3
PSYC 496 Psychology Honors II	4

Special Electives:

PCOM 391 Cooperative Education in Psychology	4-9
PSYC 420 Packaged Computer Programs for Psychology	1
PSYC 459 Special Topics in Psychology	3
PSYC 491 Independent Study I: Research	1-3
PSYC 492 Independent Study II: Research	1-3
PSYC 495 Psychology Honors I	4

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Departmental course requirements include 30 semester hours of social science courses. Consult with the faculty advisor for the social studies certificate for further information.

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Psychology Minor

Required Courses

PSYC 101 General Psychology I: Growth and Development	3
PSYC 203 General Psychology II: An Experimental Approach	3

Electives (Departmental—200 level or above)

Select 12 semester hours at the 200 level or above 12

Justice Studies Major, Child Advocacy Concentration

The Psychology Department, along with the departments of Sociology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Child Advocacy. The Child Advocacy concentration, unique in New Jersey and the region, emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. Dr. Milton Fuentes serves as advisor for the Justice Studies Child Advocacy concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

PCOM 245	INTRODUCTION TO COMMUNITY PSYCHOLOGY	3.0
Integration of social psychology with mental health in the resolution of problems in the community. Social psychological theories and empirical strategies are used to study the dynamics of power, membership, change and deviance. Accent is also on comprehensive mental health center and roles of community psychologist. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.		
<i>Prerequisite: PSYC 101.</i>		

- PCOM 385**
ADVANCED COMMUNITY PSYCHOLOGY: EXTERNSHIP 3.0
 Supervision is provided in a variety of community action programs which have preventive as well as treatment goals. Day and hour assignments can usually be arranged, but effective study participation will require a 3 hour block of time in order to serve directly in a community setting.
Prerequisites: PCOM 245.
- PCOM 387**
METHODS IN EVALUATION RESEARCH 4.0
 This course focuses on the application of psychological research methods and knowledge to the evaluation of the effectiveness or ineffectiveness of community programs. Emphasis will be on techniques for program planning and for constructive innovations in community settings. Field work required
Prerequisites: PCOM 385.
- PCOM 391**
COOPERATIVE EDUCATION IN PSYCHOLOGY 4.0-9.0
 The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator and the Office of Cooperative Education, and is responsible for completing the terms of a learning contract. Contact Office of Cooperative Education.
Prerequisite: Departmental approval.
- PSYC 100**
RE-ENTRY SEMINAR 2.0
 Provides academic, career, and personal counseling during first semester adjustment period, group identification and support while developing renewed skills and ego strength. This course offered as pass/fail only.
- PSYC 101**
GENERAL PSYCHOLOGY I: GROWTH AND DEVELOPMENT 3.0
 Psychology as an applied behavioral science: human development, conflict and adjustment, social behavior, group processes, individual differences, personality theory and assessment, behavior disorders, and principles of conditioning, learning and forgetting. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.
- PSYC 102**
WOMEN'S WORLDS 3.0
 This course introduces the general student to the broad and interdisciplinary field known as women's studies. It is designed to make students aware of the new discoveries in feminist research and to focus on many aspects of the female experience. The course is designed to help students understand different methodologies in diverse disciplines and to treat areas such as literature, history, psychology, and the arts through a thematic approach. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Cross listed with Women's Studies, WMST 102.
- PSYC 103**
FRESHMAN SEMINAR 3.0
 The major objective is to better acclimate the beginning college student (freshman and transfer) to campus life through an emphasis on affective education and group interaction. Values clarification and self-identity are important course components. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.
- PSYC 109**
THE HUMAN ENVIRONMENT 3.0
 An interdisciplinary course which examines the human impact, as social groups and individuals, on the natural environment. It explores the relationships and interconnectedness between natural processes and social, economic, cultural, technological, and political culture. Critical environmental issues are discussed. Cross listed with Earth and Environmental Studies, ENVR 109. Meets the Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- PSYC 200**
EDUCATIONAL PSYCHOLOGY 3.0
 Required for teaching. Covers child and adolescent development; fundamentals of learning theory as applied to classroom situations, learning inhibition and academic non-achievement, personal-social adjustment, measuring and evaluating teaching-learning, creativity. Course may not be taken by Psychology majors for major credit effective Fall 1995. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 201**
CHILD PSYCHOLOGY 3.0
 Covers growth, development and behavior of children. Physical, intellectual, social and emotional development and their interaction. Scientific method exemplified through the literature and intensive study of individual children. Course may not be taken by Psychology majors for major credit effective Fall 1995. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 202**
ADOLESCENT PSYCHOLOGY 3.0
 Covers biological, psychological and social factors that shape the transition from childhood to adulthood: Normal and deviant patterns of development in morals, intellect, emotions and judgment; problems of adolescents with practical application to oneself and others. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 203**
GENERAL PSYCHOLOGY II: AN EXPERIMENTAL APPROACH 3.0
 The emphasis is on psychology as an experimental and research oriented science. Topics under investigation include: experimental design, psychological measurement, physiology, perception, sensory processes, motivation, emotional behavior, and advanced topics in psychological learning theory.
Prerequisite: PSYC 101.
- PSYC 220**
QUANTITATIVE METHODS IN PSYCHOLOGY 4.0
 This course introduces Psychology majors to the basic principles of descriptive statistics, statistical inference, hypothesis testing, and their applications to research and psychological data. Measures of central tendency, variability, correlation, the normal curve, and parametric and nonparametric tests of significance will be covered. Students become familiar with the use of packaged programs for statistical analysis on small computers for the purpose of dealing with the typical data analysis problems that arise in PSYC 301, *Experimental Psychology*.
Prerequisite: PSYC 101 or PSYC 290.
- PSYC 224**
CHILDREN'S RIGHTS AND CHILD ADVOCACY 3.0
 Explores the review and evaluation of the rights, privileges, and responsibilities of young citizens (preschool through adolescence); the process and goals of advocacy; the community services available to and lacking for the optimum development to maturity of young citizens. Psychology, education, sociology, mental health, law enforcement, medicine are domains of study and investigation.
- PSYC 225**
PSYCHOLOGY OF ADJUSTMENT 3.0
 Discusses individual and social adjustment; typical varieties of adjustive behavior illustrated by practical examples; factors which facilitate or impede people's adaptation to life situations such as work, marriage, disability, etc. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
Prerequisite: PSYC 101.
- PSYC 227**
PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY 3.0
 Topics include: Behavior and attitudes influenced by basic sexuality; widening perspectives to aid in decision-making; developmental periods and sexual relationships; connections between psychological theory and sexual mores; genetic understandings.
Prerequisite: PSYC 101.
- PSYC 231**
PSYCHOLOGY OF AGGRESSION 3.0
 The root causes of violence in America will be examined through case studies, (the protest-movement of the 1960's, sexual and physical abuse, violent-criminal activity, etc.) and familiarization with biochemical, psychological and socio-cultural research into causes and effects of aggression and violence. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.

- PSYC 235**
PSYCHOLOGY OF EXCEPTIONAL CHILDREN AND YOUTH 3.0
 Surveys, current practices and problems of exceptional children and youth. Explores the unique needs of individuals with handicaps that involve intellectual, sensory, motor, neurological, social and emotional origins. Utilizes analysis of case materials for theoretical and practical applications to the psychology of exceptionality.
Prerequisite: PSYC 101.
- PSYC 245**
MENTAL HEALTH ISSUES OF HISPANIC AMERICANS 3.0
 Focuses on the personal, social, institutional and cultural forces that affect the mental health of Americans of Spanish descent. The course will cover issues such as the measurement of psychological functions, bilingualism, personal values and belief systems, the dynamics of the family and acculturation. A midterm and a final exam as well as a research paper will be required from students. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.
- PSYC 246**
PSYCHOLOGY OF THE BLACK EXPERIENCE 3.0
 Covers the historical impact of scientific and institutional racism on the psychological study of blacks. Survey and critical analysis of traditional European approaches with non-traditional methods for comparison. Future development and advancement of a black psychology considered. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirements.
Prerequisite: PSYC 101.
- PSYC 248**
PSYCHOLOGY AND LAW 3.0
 Law and psychology share a common focus: the understanding, prediction and regulation of human behavior. Despite this commonality of interest, different emphasis on these elements and a different mandate have frequently hindered active communication and collaboration between the disciplines. The purpose of this course is to present the common ground of law and psychology, and show how they contribute to each other.
Prerequisites: PSYC 101.
- PSYC 265**
PSYCHOLOGY OF WOMEN 3.0
 The course will investigate contemporary issues in the psychology of women (an opportunity for original research will be provided). Theoretical positions and recent research in the area will be examined. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.
- PSYC 290**
INTRODUCTION TO COGNITIVE SCIENCE 3.0
 An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy. Cross listed with Computer Science, CMPT 290.
Prerequisite: ANTH 100 or PSYC 101 or CMPT 183 or LNGN 210 or PHIL 100.
- PSYC 300**
THE TEACHING OF PSYCHOLOGY 3.0
 Students in this course work with a teacher of a large section of a Psychology course. The work includes record keeping, working on exams and term papers, working with students and teaching. Class discussions include techniques of teaching, motivating students, developing curriculum and ethical issues.
Prerequisites: PSYC 301; Psychology majors only and departmental approval.
- PSYC 301**
EXPERIMENTAL PSYCHOLOGY 4.0
 Introduction to laboratory methods of research in areas such as motivation, perception and learning. Emphasis is on design and execution of exploratory investigations. (3 hours lecture, 3 hours laboratory)
Prerequisites: PSYC 220 and PSYC 203 or PSYC 290. Special fee.
- PSYC 302**
HEALTH PSYCHOLOGY 3.0
 The theoretical, empirical and clinical aspects of health psychology will be presented. The relation of health psychology with other areas of psychology and other scientific disciplines will be discussed. The historical developments of the field, its research methodologies, theoretical models and exemplary interventions will be described.
Prerequisite: PSYC 301.
- PSYC 303**
INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 3.0
 Application of psychological principles and practices in business and industry. Problems of communication, group dynamics, man-machine relations, employee attitudes, accident prevention, industrial job selection techniques, motivation, executive leadership. Commonly used selection tests will be evaluated.
Prerequisite: PSYC 301.
- PSYC 304**
SOCIAL PSYCHOLOGY 3.0
 Focuses on social behavior of the individual and the group, social perception, motivation, and learning; attitudes and values; development and dynamics of social groups; inter-group tension and prejudice; mass phenomena; psychological approaches to social issues.
Prerequisite: PSYC 301.
- PSYC 305**
PHYSIOLOGICAL PSYCHOLOGY 3.0
 Anatomical, neural and biochemical bases of behavior are studied. Topics include localization of function, neurohormonal interaction, sensory and motor functioning, emotions, the relationship of neurophysiological processes and personality.
Prerequisite: PSYC 301.
- PSYC 308**
PERCEPTION 3.0
 Discusses the theory and procedure of perceptual research. Theoretical approaches; modern psychophysical and perceptual research; traditional problems of perception constancies of size and color brightness.
Prerequisite: PSYC 301.
- PSYC 310**
INTRODUCTION TO PSYCHOLOGICAL TESTING 3.0
 Tests of intelligence, aptitude, achievement and personality; principles of psychological testing; approaches to test construction.
Prerequisite: PSYC 301.
- PSYC 313**
COGNITION 3.0
 The study of the acquisition, storage, retrieval, and use of knowledge, utilizing behavioral, observational, and computer modeling methods.
Prerequisite: PSYC 301.
- PSYC 314**
PSYCHOLOGY OF JUDGMENT AND DECISION MAKING 3.0
 This course examines how human beings make decisions and judgments. It reviews how personal values, uncertainty and cognitive, social, and neurological processes affect decision making. This course draws upon a wide range of examples from many fields including psychology, economics, criminology, and medicine. Students will also learn strategies and techniques to enhance judgment.
Prerequisite: PSYC 301.
- PSYC 320**
DEVELOPMENTAL PSYCHOLOGY I 3.0
 This course surveys human psychological development from the prenatal period to adolescence. The interacting forces of heredity, environment and physical, cognitive, emotional and socio-cultural factors are reviewed in the light of current research and theory in these areas.
Prerequisite: PSYC 301.
- PSYC 330**
FORENSIC PSYCHOLOGY 3.0
 An examination of the interaction between psychology and the legal system. Emphasis placed on the assessment and diagnosis of psychopathic behavior, court-mandated evaluations and the role of the psychologist as expert witness. The application of psychological knowledge within the criminal justice context. Ethical guidelines in forensic psychology.

- PSYC 332**
PSYCHOLOGICAL FOUNDATIONS OF PERSONALITY 3.0
 Explores current approaches and theories of personality development and organization.
Prerequisite: PSYC 301.
- PSYC 340**
HUMAN LEARNING AND MEMORY 3.0
 Covers research, language and methods of learning theory. Classical and operant conditioning, complex habits, remembering and forgetting, transfer of training, cognition and behavior modification. Review of animal research but primary emphasis is on people.
Prerequisite: PSYC 301.
- PSYC 353**
COMPARATIVE ANIMAL BEHAVIOR 3.0
 The student will explore experimental and field studies of behavior in a few selected animal species with particular reference to the behavior of vertebrates. The course will involve detailed study of instinctive behavior and imprinting, respondent and operant behavior with emphasis upon the procedures and variables concerned with the acquisition of new forms of behavior.
Prerequisite: PSYC 301.
- PSYC 358**
FUNDAMENTALS OF CONDITIONING AND LEARNING 3.0
 Major theoretical problems and theories of learning are considered. Includes experimental analysis of basic phenomena of conditioning and learning, studied primarily through experimental studies of infra-human organisms. Students may study selected topics more extensively.
Prerequisite: PSYC 301.
- PSYC 360**
HISTORY AND SYSTEMS OF PSYCHOLOGY 3.0
 Discusses the historical development of psychology; comparative analysis of the major schools of contemporary psychology and new trends and movements in psychological theory.
Prerequisite: PSYC 301.
- PSYC 365**
ABNORMAL PSYCHOLOGY 3.0
 Topics include an overview of psychopathological processes; neuroses, psychoses, and characterological disorders; feeling, thinking and behavioral aspects during the life span; diagnostic and treatment procedures.
Prerequisite: PSYC 225 or 332 and 301.
- PSYC 366**
HEALTH PSYCHOLOGY: APPLICATIONS TO THE COMMUNITY 3.0
 The course will present psychological contributions to interventions designed to promote health, prevent illness and avert further disability. Appropriate techniques to assess, plan, and implement programs at the community level will be discussed. The multidisciplinary, multilevel nature of community programs will be emphasized.
Prerequisite: PSYC 302.
- PSYC 402**
SYSTEMS OF PSYCHOTHERAPIES 3.0
 An overview of classical and contemporary systems of psychotherapy. Emphasis is placed on understanding each system in terms of its underlying theory of its underlying theory of personality, psychopathology and therapeutic impact. Studies of therapeutic efficacy are also covered. Other issues include such topics as the training of psychotherapists and the ethical issues involved in psychotherapy.
Prerequisite: PSYC 365 and departmental approval.
- PSYC 420**
PACKAGED COMPUTER PROGRAMS FOR PSYCHOLOGY 1.0
 A detailed review on the use of a computer package for the purpose of doing statistical analyses of psychological data. The instructor will select one such package for presentation and choose among SSPS, EcStatic, BMD, SAS, and others. Instruction will be provided on coding, data entry, menu selection, score transformation, and exporting.
Prerequisite or Corequisite: PSYC 220 or a course on psychological statistics.
- PSYC 430**
CONTEMPORARY ISSUES IN CHILD ADVOCACY 3.0
 An in-depth study of current topics in the field of child advocacy. The impact of Megan's Law, advocacy for adopted children, child right-to-life movement, and repressed memory syndrome are among the possible issues to be explored. A multi-disciplinary focus will be used to enhance student understanding and learning.
- PSYC 459**
SPECIAL TOPICS IN PSYCHOLOGY 3.0
 An in-depth view of important theoretical and methodological issues in a specific area of psychology. The area to be covered is chosen by the instructor. The course permits the instructor and students to examine psychological issues which are either not covered in the curriculum or which deserve more in-depth treatment than is possible in a regular course. The course may be taken no more than twice as part of major degree requirements in psychology.
Prerequisite: PSYC 301.
- PSYC 490**
SEMINAR IN COGNITIVE SCIENCE 3.0
 Seminar discussion of foundation works and contemporary research articles in Cognitive Science. With the instructor's guidance and supervision, each student will define an area of Cognitive Science for comprehensive in-depth review of research and write a literature review. Professional issues in Cognitive Science are discussed.
Prerequisites: PSYC/CMPT 290, PSYC 301, and any one of the following: PSYC 313, LNGN 300, LNGN 380, LNGN 420.
- PSYC 491**
INDEPENDENT STUDY I: RESEARCH 1.0-3.0
 Individual research project under supervision of a professor in the department.
Prerequisite: Departmental approval.
- PSYC 492**
INDEPENDENT STUDY II: RESEARCH 1.0-3.0
 Individual research project under supervision of a professor in the department.
Prerequisite: Departmental approval.
- PSYC 495**
PSYCHOLOGY HONORS I 4.0
 With the instructor's guidance and supervision, each student will define an area of psychology for a comprehensive, in-depth review of research; generate research questions and hypotheses; delineate appropriate design, methodology and statistical analyses to answer these questions and test these hypotheses; collect and analyze preliminary data; and write an Honors Thesis Proposal.
Prerequisite: PSYC 301; departmental approval; overall GPA of 3.5.
- PSYC 496**
PSYCHOLOGY HONORS II 4.0
 This course constitutes the second semester of Psychology Honors. Students are expected to gather, analyze and interpret the data for their honors project, write the analysis and discussion chapters, and submit their completed honors thesis. Students who successfully complete this course will graduate with honors in Psychology.
Prerequisite: Completion of PSYC 495 with a grade of A or A-.

SOCIOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Jay Livingston

Sociology looks at aspects of societies that transcend the individual - social phenomena such as culture and social structure. It also explores the relationships among the individuals and groups that make up the social world. Areas of concern include: the causes and effects of the distribution of wealth and power in a society; the impact of social categories such as gender, race, and age; the nature of social institutions such as religion, the family, and education; the ways that individuals organize and influence their everyday lives. Sociology enables the student to understand broader social and historical forces and their relation to the lives of individuals.

The Sociology major provides a background for those who seek careers in social research, law enforcement, human resources, social work, teaching, journalism, and other fields.

The minor in Criminal Justice, described in this catalog under Interdisciplinary Minors, focuses on various types of crime and social institutions that aim to control crime.

The Sociology Department offers a Bachelor of Arts degree.

Sociology Major

Required Courses

	18 Semester Hours
SOCI 201 Foundations of Sociological Inquiry	4
SOCI 240 Statistics for Social Research	4
SOCI 301 Sociological Research Methods I	4
SOCI 313 Sociological Theory: Critical Analysis	3
SOCI 400 Senior Research Project	3

Note: It is important to try to meet the methods requirement no later than the junior year.

Electives (Departmental)

Select 21 semester hours from the following:

(9 semester hours must be selected from 300 or 400 level courses with appropriate approval.)

SOCI 100 The Sociological Perspective	3
SOCI 101 Criminology	3
SOCI 112 Sociology of Leisure	3
SOCI 113 Social Problems	3
SOCI 200 Sociology of Education	3
SOCI 202 Racial and Ethnic Relations	3
SOCI 203 Sociology of Organized Crime	3
SOCI 204 Sociology of the Family	3
SOCI 205 Black Family	3
SOCI 206 Individual and Society	3
SOCI 207 Social Structure of American Society	3
SOCI 209 Sociology of Poverty and Welfare	3
SOCI 211 Sociology of Health and Illness	3
SOCI 212 Sociology of Technology	3
SOCI 216 Sociology of Food and Population	3
SOCI 218 Sociology of Population	3
SOCI 219 Sociology of Aging	3
SOCI 220 Sociology of Rich and Poor Nations	3
SOCI 230 Sociology of Conflict and Violence	3
SOCI 231 Social Bases of the Arts	3
SOCI 302 Sociological Research Methods II	3
SOCI 303 Large Scale Organizations	3
SOCI 304 Sociology of Work and Professions	3
SOCI 310 Directed Independent Research	3
SOCI 311 Urban Sociology	3
SOCI 312 Environmental Sociology	3
SOCI 315 Social Stratifications	3
SOCI 321 White Collar Crime	3
SOCI 322 Juvenile Delinquency and Juvenile Justice	3
SOCI 325 Sociology of Police	3
SOCI 330 Political Sociology	3
SOCI 334 Comparative Social Analysis	3

SOCI 336 Sociology of Helping Professions and Institutions	3
SOCI 351 Juries and Justice	3
SOCI 353 Sociology of Corrections	3
SOCI 390 Cooperative Education in Sociology	3
SOCI 401 Sociology of Emotions	3
SOCI 405 Deviance and Social Control	3
SOCI 407 Sociology of Mass Media	3
SOCI 408 Social Movements	3
SOCI 411 Selected Topics in Sociological Theory	3
SOCI 412 Selected Topics in Social Research Methods	3
SOCI 413 Selected Topics in Institutional Processes	3
SOCI 414 Selected Topics in Applied Sociology	3
SOCI 416 Qualitative Research in Sociology	3
SOCI 420 Sociology of Law	3
SOCI 426 Sociology of Sexuality	3
SOCI 430 Sociology of Gender	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Sociology Minor

Required Courses

	18 Semester Hours
SOCI 100 The Sociological Perspective	3

Electives (Departmental)

Select up to 9 semester hours of 100-200 level Sociology	9
Select at least 6 semester hours of 300-400 level Sociology courses	6

Justice Studies Major, Justice Systems Concentration

The Sociology Department, along with the departments of Psychology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Justice systems. The Justice systems concentrations focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. It includes optional areas of emphasis in the Criminal Justice Systems, Juvenile Justice, and Empirical Perspectives in Justice Systems. The Criminal Justice system optional areas of emphasis meets and exceeds the minimum standards for Criminal Justice Education set by the Northeastern Association of Criminal Justice Sciences. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Justice Systems concentration may take any minor except Criminal Justice. Dr. David J. Dodd serves as advisor for the Justice Systems concentration. For the complete program see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

- SOCI 100**
THE SOCIOLOGICAL PERSPECTIVE 3.0
 An introduction to the study of human groups from peer groups to families to societies. How and why culture, social structure, and group processes arise. Consequences of social forces for individuals. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.
- SOCI 101**
CRIMINOLOGY 3.0
 Definitions of crime; sociological explanation of crime; the nature and extent of criminal behavior. Analysis of different types of crime, including juvenile delinquency, corporate crime, crimes against women, and crimes by police. Institutions of social control: police, courts, prisons. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- SOCI 113**
SOCIAL PROBLEMS 3.0
 How social structure and social institutions are related to problems such as discrimination, environmental pollution, violence, and poverty. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- SOCI 120**
FRESHMAN LEADERSHIP SEMINAR 3.0
 Explores the theory and practice of leadership on campus and in the community. Examines the relationship between the individual and the group, and issues such as civic participation and bureaucracy.
Prerequisite: For students enrolled in the Presidential Leadership Program (PLP) only.
- SOCI 201**
FOUNDATIONS OF SOCIOLOGICAL INQUIRY 4.0
 An introduction to the methods and theory of sociological inquiry. Topics include: comparisons of dominant paradigms of sociological thought, critical analysis of basic concepts in the field, logic and rhetoric of sociological analysis and ethical and value issues in the practice of sociology. Emphasis will also be placed upon writing sociology: documentation, literature search, organization, and style.
Prerequisite: ENGL 105.
- SOCI 202**
RACIAL AND ETHNIC RELATIONS 3.0
 The social meaning of race and ethnicity. The social, psychological, and structural sources of racism; the consequences of this phenomenon to groups; situation and comparative data. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- SOCI 203**
SOCIOLOGY OF ORGANIZED CRIME 3.0
 Organized crime as a sociological phenomenon. The methods and goals of large-scale crime and its economic, political, and social costs; popular attitudes towards organized crime; efforts of enforcement and investigation agencies to deal with the problem.
- SOCI 204**
SOCIOLOGY OF THE FAMILY 3.0
 Discussion of "official" and "unofficial" (single parent, gay/lesbian) family relationships; compare current U.S. family forms with those of other historical periods and societies; examine trends in contemporary societies affecting family forms such as changing work role of women, changed sexual norms in courtship, and recent changes in divorce rate; analyze issues in the "politics of the family." Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- SOCI 205**
BLACK FAMILY 3.0
 The black family in American society; historical perspectives and contemporary conflicts surrounding the black family. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- SOCI 206**
INDIVIDUAL AND SOCIETY 3.0
 The relationship between culture, social structure, various institutions and the individual's social perceptions, sense of self, and self-presentation are explored in this course. The structure of small groups is also discussed. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Electives Personal/Professional Issues.
- SOCI 207**
SOCIAL STRUCTURE OF AMERICAN SOCIETY 3.0
 Empirical materials on social structure. Inter-institutional relations as the form of the broad, general structure of American society. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- SOCI 209**
SOCIOLOGY OF POVERTY AND WELFARE 3.0
 Poverty and welfare institutions as social phenomena. The meaning of poverty, absolute and relative deprivation, the functions of social welfare institutions. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- SOCI 211**
SOCIOLOGY OF HEALTH AND ILLNESS 3.0
 Social and cultural definitions of health and illness, social sources of illness, the social role of the "sick," comparative medical beliefs and practices and medical institutions. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- SOCI 215**
SOCIOLOGY OF SPORTS 3.0
 This course will examine the major theoretical and substantive writings on the sociology of amateur and professional sports. Topics to be explored from conflict, functionalist, and symbolic interactionist perspectives include socialization and athletic identity, women in sports, race and class in sports, gender relations and sport participation, sport risk and injury, education and sports participation, sports in the media, sport and the reproduction of society, and fieldwork among college and professional athletes.
- SOCI 219**
SOCIOLOGY OF AGING 3.0
 With a shift in America's population toward an older society, it becomes important to understand the aging process and its implications for various social institutions. This course examines demographic characteristics which influence the aging process; various theories to explain the process; and specific policies, nationally and locally, to address it.
- SOCI 220**
SOCIOLOGY OF RICH AND POOR NATIONS 3.0
 This course deals with the disparity in standards of living among the nations of the world today, as well as with the strategies social scientists and social planners have formulated to eradicate poverty where it occurs. This course focuses on the historical, political, economic, cultural, and sociological relationships that have contributed to the current division of labor in the world, and world inequalities. Furthermore, it focuses on specific social problems faced by poor nations, while comparing social institutions in Western societies with their counterpart in non-Western societies. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- SOCI 230**
SOCIOLOGY OF CONFLICT AND VIOLENCE 3.0
 Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

- SOCI 232**
INTRODUCTION TO CRIMINAL JUSTICE 3.0
 Do the three main sectors of the criminal justice system—the police, the courts, and corrections—have an impact on crime, achieve justice, and constitute a system? This course will look at the historical development of each of these sectors, their relation to broader social forces, and their internal problems and dilemmas. Topics may include current controversies (police brutality; the death penalty and other sentencing trends; community policing; plea bargaining; parole) as well as the impact of broader issues like race, gender, and social class.
- SOCI 238**
RESEARCH METHODS IN CRIMINAL JUSTICE 3.0
 An introduction to methods of social research and their particular application to the study of criminal justice. Defining research questions and designing ways of getting systematic evidence relevant for those questions. Understanding the nature of aggregate data, probability, and social science generalization. Creating variables — conceptualization, definition, and measurement. Basic statistical measures, descriptive and inferential. Quantitative and qualitative data. A critical look at existing sources of criminal justice data. Problems of access, quality of data, and interpretation. Ethical issues.
- SOCI 240**
STATISTICS FOR SOCIAL RESEARCH 4.0
 The use of statistics to summarize data, and to show relationships among variables. Evaluating research reports based on statistics. Use of the computer to analyze data. Cross listed with Justice Studies, JUST 240.
- SOCI 301**
SOCIOLOGICAL RESEARCH METHODS I 4.0
 Introduction to primary methods of gathering sociological data: experimentation, survey research, participant observation, etc. Use of computers to analyze data. The formulation of hypotheses, survey design, participant observation and the use of elementary statistics.
Prerequisites: SOCI 201 and SOCI 240.
- SOCI 302**
SOCIOLOGICAL RESEARCH METHODS II 3.0
 The formulation of hypotheses, survey design, participant observation and the use of elementary statistics; certain broad problems in the philosophy of social science.
Prerequisite: SOCI 301.
- SOCI 303**
LARGE SCALE ORGANIZATIONS 3.0
 The structure and functions of bureaucracy in modern society; the life cycle of large organizations and their methods of operation; selected contemporary problems.
Prerequisite: One course in sociology or departmental approval.
- SOCI 304**
SOCIOLOGY OF WORK AND PROFESSIONS 3.0
 The development of modern focus of work; the shift from manufacturing to service occupations; and problems of work alienation; current models of labor-management relations in the U.S. compared to western Europe and Japan; the effects of new technology on skill, employment levels, and on labor management relations; conceptions of the professions and their role in society; the process of an occupation becoming a profession.
Prerequisite: One course in sociology or departmental approval.
- SOCI 310**
DIRECTED INDEPENDENT RESEARCH 3.0-9.0
 Research and report under faculty direction. The student selects, for investigation, an area of sociological concern with the approval of a faculty supervisor. Multiple semester selection permitted with approval.
Prerequisite: Departmental approval.
- SOCI 311**
URBAN SOCIOLOGY 3.0
 Processes of urbanization and suburbanization; nature of urban social relations, including racial and ethnic relations; urban ecological patterns and demographic conditions. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: One course in sociology or departmental approval.
- SOCI 312**
ENVIRONMENTAL SOCIOLOGY 3.0
 The role of sociology in understanding and analyzing the environment, environmental issues and problems, and the sociocultural sources and structure of environmentalism and environmental movements. Various perspectives and approaches to explaining the relationship between society and the environment are explored.
- SOCI 313**
SOCIOLOGICAL THEORY: A CRITICAL ANALYSIS 3.0
 A comparison of important theories on key themes in sociology; the nature of social interaction, the definition of power, stratification, social control and deviance, alienation and anomie, social structure and function, social bases of knowledge and belief, and social conflict and change.
Prerequisite: SOCI 201 or departmental approval.
- SOCI 315**
SOCIAL STRATIFICATION 3.0
 The inequalities of social ranking systems in societies. Theoretical and empirical approaches to stratification delineating the variables of power, power elites, class consciousness, alienation and class mobility. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.
- SOCI 321**
WHITE COLLAR CRIME 3.0
 An examination of the nature, scope, forms, and styles of occupational and business-related criminal activities in the U.S., as well as their social, political, and economic implications.
Prerequisite: One course in sociology or departmental approval.
- SOCI 322**
JUVENILE DELINQUENCY AND JUVENILE JUSTICE 3.0
 This course will deal with the major sociological explanations of juvenile delinquency. The relationship between juvenile crime and justice and the socio-economic and institutional arrangements of the larger society will be the primary focus.
Prerequisite: One course in sociology or departmental approval.
- SOCI 325**
THE SOCIOLOGY OF POLICE 3.0
 This course will examine the urban police organizations from diverse sociological perspectives. Subjects include media images of the police, police discretion, police use of force, police lying, police corruption, women in policing, ethnic minorities in policing, and researching the police.
- SOCI 330**
POLITICAL SOCIOLOGY 3.0
 This course will endeavor to give the student a relatively complete understanding of the social dynamics of political actions on various levels.
Prerequisite: One course in sociology or departmental approval.
- SOCI 336**
THE SOCIOLOGY OF HELPING PROFESSIONS AND INSTITUTIONS 3.0
 This course focuses on the social functions, determinants, and consequences of helping professions such as social work, and helping institutions such as public welfare. Particular emphasis is placed on the relations of helping professions and institutions with their socio-political environment and with their clients.
Prerequisite: One course in sociology or departmental approval.
- SOCI 351**
JURIES AND JUSTICE 3.0
 An examination of the roots of the American jury system and the role of trials in the social construction of morality. Consideration of issues related to jury pools, selection, and representativeness. Examination of data from research on group processes within actual and mock juries, including communication and decision making in juries and juror bias. Students will also conduct field studies in local courts.

- SOCI 353**
SOCIOLOGY OF CORRECTIONS 3.0
 Traces the historical development of corrections in the United States and examines present trends. Explores the socio-political nature of various correctional policies, with special emphasis on current trends and controversies. Analyzes prison life from the perspectives of administrators, correction officers, and inmates.
- SOCI 390**
COOPERATIVE EDUCATION IN SOCIOLOGY 8.0
 The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator, and the office of Cooperative Education and is responsible for completing the terms of a learning contract.
Prerequisite: Departmental approval.
- SOCI 400**
SENIOR RESEARCH PROJECT 3.0-9.0
 Each student will select one sociological research topic or setting to explore utilizing qualitative and/or quantitative methods. Students will conduct their own empirical research under faculty supervision. Since different faculty members emphasize different research methods, students are urged to review individual syllabi prior to registering for the course.
Prerequisites: SOCI 301 and senior standing and departmental approval.
Prerequisite or Corequisite: SOCI 313 must be taken before or during the Senior Research Project.
- SOCI 401**
SOCIOLOGY OF EMOTIONS 3.0
 Humans have a unique capacity to experience a large variety of emotions. This course examines how cultures label, shape, and guide their members' emotional experience. It also explores the interplay between social-structural arrangements (e.g., family and economic systems) and emotion, illustrating links between macro-social patterns. Students will conduct original research on social factors related to emotionality.
Prerequisites: SOCI 301 or equivalent.
- SOCI 405**
DEVIANCE AND SOCIAL CONTROL 3.0
 Theoretical perspectives on human deviance. The social organization of specific types of deviance and of formal and informal social control.
Prerequisite: One course in sociology or departmental approval
- SOCI 407**
SOCIOLOGY OF THE MASS MEDIA 3.0
 Television, press, film, and other media--their social organization and how they function. Who the media influences--and how. Who influences the media--and how.
Prerequisite: Once course in sociology or departmental approval.
- SOCI 408**
SOCIAL MOVEMENTS 3.0
 This course focuses on the study of concerted collective behavior for social change, or social movements. Various approaches to the understanding of social movements, including the natural history, case study, and analytical models, will be examined. Emphasis will be placed on relating theoretical work to contemporary empirical examples of social movement activity.
Prerequisite: One course in sociology or departmental approval.
- SOCI 411**
SELECTED TOPICS IN SOCIOLOGICAL THEORY 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to only the general area of sociological theory.
Prerequisite: One course in sociology or departmental approval.
- SOCI 412**
SELECTED TOPICS IN SOCIOLOGICAL RESEARCH METHODS 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to projects or study in research methodology.
Prerequisite: One course in sociology or departmental approval.
- SOCI 413**
SELECTED TOPICS IN INSTITUTIONAL PROCESSES 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to a consideration of problems in institutional processes.
Prerequisite: One course in sociology or departmental approval.
- SOCI 414**
SELECTED TOPICS IN APPLIED SOCIOLOGY 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to the application of sociological methodology, theory, or content to social situations or to community issues or problems.
Prerequisite: One course in sociology or departmental approval.
- SOCI 420**
SOCIOLOGY OF LAW 3.0
 The impact of the social usages of law on all levels of operation as an instrument of social policy, social control and social regulation.
Prerequisite: One course in sociology or departmental approval.
- SOCI 426**
SOCIOLOGY OF SEXUALITY 3.0
 The course examines theoretical and empirical work in the sociology of sexuality. It seeks to understand the social foundations of sexual behavior and sexual identity. It explores the relationship between sexuality and politics, focusing on current as well as historical conflicts over sexual behavior and ideologies.
Prerequisite: One course in sociology or departmental approval.
- SOCI 430**
SOCIOLOGY OF GENDER 3.0
 The social determinants of differences between women and men and the effect of sex role differentiation in the social institutions of marriage and family, the economy and work situation, formal education, health, mass media, and religion; special emphasis is placed on the impact of social change on sex roles in contemporary society. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.

SPANISH/ITALIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: John Zahner

The major programs in Spanish and Italian are designed to help students achieve linguistic fluency, an appreciation of literature and a comprehensive knowledge of cultural history. The Spanish curriculum embraces both Spain and Spanish America, and the Department also offers courses in Portuguese.

Majors in both Spanish and Italian may elect a program in teacher certification which includes a semester of supervised practice teaching. A "second teaching field" sequence is available for both Spanish and Italian.

A special option in Spanish is a four-course concentration in translating and interpreting which provides a practical background for students preparing for careers in business, law, social service and other areas.

The Department also offers minor sequences in Spanish and Italian. Majors intending to pursue graduate studies are advised to acquire proficiency in at least one additional language. Minors such as Latin American and Latino Studies and Paralegal Studies provide further opportunities for specialized training. Additionally, Cooperative Education internships, providing both college credits and remuneration for supervised work experience, can be arranged for students of Spanish and Italian.

Study Abroad

It is highly recommended that majors spend a year, a semester or a summer studying in a Spanish or Italian speaking country. This study should preferably be planned for the junior year.

After successful completion of the program, credits will be granted by evaluation.

Spanish Major

Required Courses

	Semester Hours
36 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
Literature Electives	12
Select 12 semester hours with at least two courses from literature and one from language. The literature courses must be at or above the 300 level. Obtain elective list from the department.	
Cultural Elective (from approved departmental list)	3
Language Elective (from approved departmental list)	3

Spanish Major with Translation Concentration

Required Courses

	Semester Hours
39 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
Major Literature Electives (from approved departmental list)	6
Cultural Elective (from approved departmental list)	3
Concentration in Translation Requirements:	
SPAN 350 Translating I	3
SPAN 351 Translating II	3
SPAN 452 Translating III	3
SPAN 450 Introduction to Interpreting	3
The concentration in translation is designed to enhance the preparation of Spanish majors who are considering careers in diplomatic service, business, social service or law or who have an interest in literary translation.	

Students who have successfully completed Translating III are eligible to take the certification examination given each year in May.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. As part of the professional sequence students must take SPAN 419 The Teaching of Spanish in Secondary Schools.

Required Courses

	Semester Hours
36 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 343 Introduction to Phonetics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
SPAN 410 Advanced Spanish Grammar	3
Literature Elective Courses (from approved department list)	9
Cultural Elective (from approved department list)	3

Second Teaching Field in Spanish

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Required Courses

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 343 Introduction to Spanish Phonetics	3
SPAN 344 Spanish Conversation	3
SPAN 374 Spanish Cultural History	3
OR	
SPAN 376 Spanish American Cultural History	3
SPAN 410 Advanced Spanish Grammar	3

Electives (Major)

Select 6 semester hours in literature courses from the appropriate list to be obtained from the department.

Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take SPAN 419, The Teaching of Spanish in Secondary Schools.

Spanish Minor

Required Courses

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 364 Masterpieces of Spanish American Literature II	3

Electives

Select 6 semester hours from electives in language, literature and culture listed below:

Literature Electives	
SPAN 349 Introduction to Literary Studies	3
SPAN 441 Spanish Novel of the 20th Century	3
SPAN 442 Spanish Poetry and Drama of the 19th Century	3
SPAN 443 Spanish Prose of the 19th Century	3
SPAN 444 Spanish Theater of the 20th Century	3
SPAN 446 Spanish American Essayists	3
SPAN 447 Contemporary Spanish American Short Story	3
SPAN 448 Contemporary Spanish American Poetry	3
SPAN 449 Spanish American Novel	3
SPAN 460 El Quijote	3
SPAN 466 Contemporary Spanish American Theater	3
SPAN 469 The Drama of the Golden Age	3
SPAN 470 Senior Seminar	3
SPAN 471 Contemporary Trends in the Spanish American Theater	3
SPAN 472 Puerto Rican Literature and Thought	3
SPAN 480 Independent Study	3

Language Electives	
SPAN 343	Introduction to Spanish Phonetics 3
SPAN 344	Spanish Conversation 3
SPAN 347	Commercial Spanish 3
SPAN 350	Translation I 3
SPAN 351	Translation II 3
SPAN 410	Advanced Spanish Grammar 3
SPAN 422	Practicum in Translating 3
SPAN 450	Introduction to Interpreting 3
SPAN 452	Translation III 3
Cultural Electives	
SPAN 373	Selected Topics in Spanish and Latin American Literature 3
SPAN 374	Spanish Cultural History 3
SPAN 376	Spanish American Cultural History 3

Total Semester Hours 18

Italian Major

Required Courses

15 Semester hours:

ITAL 242	Italian Grammar and Composition I 3
ITAL 243	Grammar and Composition II 3
ITAL 340	Italian Literature: Origins to 18th Century 3
ITAL 341	Italian Literature: 18th to 20th Centuries 3
ITAL 360	Italian Cultural History 3

Electives (Major)

Select 21 semester hours from the appropriate list obtained from the department with at least one course from literature and one from language.

Italian Minor

Required Courses

ITAL 242	Italian Grammar and Composition I 3
ITAL 243	Grammar and Composition II 3
ITAL 340	Italian Literature: Origins to 18th Century 3
ITAL 341	Italian Literature: 18th through 20th Centuries 3
ITAL 360	Italian Cultural History 3

Elective

Select 3 semester hours from the appropriate list obtained from the department.

Total Semester Hours 18

Teacher Certification

Students interested in teaching Italian must be admitted to the Teacher Education Program. See the professional sequence outlined in this catalog. As part of the professional sequence for Italian ITAL 419 The Teaching of Italian in Secondary Schools must be taken.

Major Requirements: (21 s.h.)

ITAL 242	Italian Grammar and Composition I 3
ITAL 243	Grammar and Composition II 3
ITAL 309	Italian Conversation 3
ITAL 340	Italian Literature: Origins to 18th Century 3
ITAL 341	Italian Literature: 18th to 20th Centuries 3
ITAL 360	Italian Cultural History 3
ITAL 410	Italian Grammar for Teachers 3

Major electives: Select 15 semester hours from a list to be obtained by the department.

Total semester hours 36

Second Teaching Field in Italian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

ITAL 242	Italian Grammar Composition I 3
ITAL 243	Grammar and Composition II 3
ITAL 309	Italian Conversation 3

ITAL 340	Italian Literature: Origins to 18th Century 3
ITAL 341	Italian Literature: 18th through 20th Centuries 3
ITAL 360	Italian Cultural History 3
ITAL 410	Italian Grammar for Teachers 3

Elective

Select 3 semester hours from the appropriate list obtained from the department. Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take ITAL 419, The Teaching of Italian in Secondary Schools.

Hispanic Community Affairs Minor

Required Course

SPAN 472	Puerto Rican Literature and Thought	
OR		
SPAN 280	Cuban Cultural History 3	

Electives

Select 12 semester hours in courses from the interdepartmental list obtained from the department of Spanish and Italian.

Field Work

Select 3 courses:		Semester Hours
SPAN 360	Hispanic Community Program 3	
SPAN 481	Field Work I 3	
SPAN 482	Field Work II 3	
SPAN 483	Field Work III 3	

Courses of Instruction

SPAN 101		
SPANISH I		3.0

For students starting Spanish in college or for students with one year of high school experience in Spanish. The fundamentals of listening comprehension, speaking, reading and writing through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

SPAN 102		
SPANISH II		3.0

For students who have completed Spanish I at Montclair State University or who have two years of high school experience in Spanish, or students who have been placed at this level after taking the placement exam. The strengthening of listening comprehension, speaking, reading and writing skills through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

SPAN 103		
SPANISH III		3.0

For students who have completed Spanish II at Montclair State University, students with three years of high school Spanish, or students who have been placed at this level after taking the placement exam. Advanced development of listening comprehension, speaking, reading and writing through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

SPAN 104		
SPANISH IV	3.0	
For students who took Spanish III at Montclair State University, students with four years of high school Spanish, or students who have been placed at this level after taking the placement exam. Review of the most important aspects of Spanish grammar; the strengthening of listening comprehension, speaking, reading and writing skills through task-based oriented activities, audio cassettes/CDs, and laboratory work; and the fundamentals of literary analysis. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.		
<i>Prerequisite: Special fee.</i>		
SPAN 134		
ESSENTIALS OF SPANISH FOR NATIVE SPEAKERS	3.0	
An intermediate level course to improve reading and writing skills of Spanish native speakers. Taught in Spanish.		
<i>Prerequisite: Special fee.</i>		
SPAN 135		
SPANISH FOR NATIVE SPEAKERS	3.0	
This course provides students who are native speakers with a program which enables them to perfect their command of both written and spoken Spanish beyond the Intermediate II level. The course is unique in that it places equal stress upon speaking, reading and writing in order to enable the student to function effectively with Spanish speaking people in the student's chosen profession. Emphasis is placed upon the more practical aspects of language learning. Meets the 1983 General Education Requirement (GER)-Foreign Language. Taught in Spanish.		
<i>Prerequisite: SPAN 104 or 134. Special fee.</i>		
SPAN 236		
INTERMEDIATE SPANISH CONVERSATION	3.0	
An intermediate level course for non-majors to improve spoken Spanish and acquire knowledge of Hispanic culture. Taught in Spanish.		
SPAN 241		
FUNDAMENTALS OF SPANISH GRAMMAR	3.0	
This course is designed to give students an active command of the language by means of oral and written exercises, accompanied by a thorough review of the grammar, vocabulary, and idioms. Taught in Spanish.		
SPAN 242		
SPANISH COMPOSITION AND STYLISTICS	3.0	
This course is designed to improve the student's mastery of the language through written and oral exercises accompanied by a review of advanced grammar. Taught in Spanish.		
SPAN 306		
BUSINESS COMMUNICATION AND NEGOTIATION IN SPANISH	3.0	
Intermediate Spanish IV with intensive practice in the parlance of Spanish and Spanish American business. Communication and negotiation skills will be stressed. Taught in Spanish.		
<i>Prerequisite: Special fee.</i>		
SPAN 343		
INTRODUCTION TO SPANISH PHONETICS	3.0	
Spanish phonetics and phonemics: theory and practice; comparative analysis of Spanish and English phonology. The language laboratory is used extensively. Required for certification. Taught in Spanish.		
<i>Prerequisite: SPAN 241. Special fee.</i>		
SPAN 344		
SPANISH CONVERSATION	3.0	
Practice in spoken Spanish through assigned topics and participation in discussions about daily life and world events; gives a competence in Spanish as an instrument of oral expression. Classes limited to 16 students. Required for certification. Native speakers of Spanish must substitute another elective. Taught in Spanish.		
<i>Prerequisite: SPAN 241.</i>		
SPAN 347		
COMMERCIAL SPANISH	3.0	
For students interested in the business field: styles of letter writing, business vocabulary, legal terminology. Emphasis on written fluency and expression. Taught in Spanish.		
<i>Prerequisite: Special fee.</i>		
SPAN 349		
INTRODUCTION TO HISPANIC LITERARY STUDIES	3.0	
The course proposes to identify the characteristics of various literary genres and define the inner workings of a piece of literary text. Selections from Spanish and Latin American novels, short stories, poems, dramas and essays will be studied to enable the student to define the uniqueness of each genre. The role of the author, narrative point of view, figurative language, literary structure, and irony will be examined together with the influence of culture, ethnicity, and gender on the creative process. Taught in Spanish.		
SPAN 350		
TRANSLATING I	3.0	
Introduction to the techniques of translating Spanish/English and English/Spanish. Students translate actual documents and texts from a wide variety of fields in order to gain experience in methods of analysis, research and verification. Taught in Spanish.		
<i>Prerequisite: Special fee.</i>		
SPAN 351		
TRANSLATING II	3.0	
A continuation of Translating I. Materials chosen for translation reflect the career interests of the students in the class. Emphasis on professional ethics and the rudiments of translation theory. Taught in Spanish.		
<i>Prerequisite: Special fee.</i>		
SPAN 361		
MASTERPIECES OF SPANISH LITERATURE I	3.0	
The course is designed to introduce the students to Spain's literary history through an analysis of its major works, movements, and cultural trends from the Medieval period to the 18th Century. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.		
<i>Prerequisite: SPAN 241.</i>		
SPAN 362		
MASTERPIECES OF SPANISH LITERATURE II	3.0	
The course is designed to introduce the student to Spain's literary history through an analysis of its major works, movements, and cultural trends from the 18th century to the present. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.		
<i>Prerequisite: SPAN 241.</i>		
SPAN 363		
MASTERPIECES OF SPANISH AMERICAN LITERATURE I	3.0	
The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from pre-Columbian times to the latter part of the nineteenth century. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.		
<i>Prerequisite: SPAN 241.</i>		
SPAN 364		
MASTERPIECES IN SPANISH AMERICAN LITERATURE II	3.0	
The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from the beginning of Modernism to the Contemporary Period. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement - Foreign Language.		
<i>Prerequisite: SPAN 241.</i>		
SPAN 373		
SELECTED TOPICS IN SPANISH AND LATIN AMERICAN LITERATURE	3.0	
The exploration of a topic in Spanish or Latin American literature which deserves more in-depth treatment than is possible in an existing course. The specific topic will be announced each time the course is offered. This course may be repeated twice for a total of 9 credits.		
<i>Prerequisite: SPAN 362 or SPAN 364.</i>		
SPAN 374		
SPANISH CULTURAL HISTORY	3.0	
The political, social, philosophical, literary and artistic ideas and institutions of Spain. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.		
<i>Corequisite: SPAN 241.</i>		

- SPAN 375**
STUDY ABROAD 3.0
 Study at a university in a Spanish-speaking country to gain firsthand knowledge of the historical, social, economic and cultural life of the country. Credit by evaluation.
Prerequisite: Department approval.
- SPAN 376**
SPANISH AMERICAN CULTURAL HISTORY 3.0
 Development of the politics, art and philosophy of the Spanish-speaking nations of the Western hemisphere. Taught in Spanish. Meets the 1983 General Education Requirement (GER)—Foreign Language. Meets the Multicultural Awareness Requirement.
Corequisite: SPAN 241.
- SPAN 385**
COOPERATIVE EDUCATION 4.0-8.0
 This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.
- SPAN 410**
ADVANCED SPANISH GRAMMAR 3.0
 This course is a review of the most important structural features of Spanish, with special emphasis in those areas of interference with English structure which present the greatest difficulties to the student of Spanish. Required for certification. Taught in Spanish.
Prerequisite: SPAN 242.
- SPAN 419**
THE TEACHING OF SPANISH IN SECONDARY SCHOOLS 3.0
 This course is focused on such topics as values and aims in foreign language teaching, survey of methods, pronunciation, reading, grammar, reviews, realia, examinations, supervised study, etc. The course consists of readings and discussions, lesson planning and demonstrations, and organization of material for student teaching. Required for certification. Taught in English.
Prerequisite: SPAN 242.
- SPAN 422**
PRACTICUM IN TRANSLATING 3.0
 This course is designed to provide students with the practical experience of translating in semi-professional situations under faculty supervision. Taught in Spanish.
- SPAN 441**
SPANISH NOVEL OF THE 20TH CENTURY 3.0
 The modern novel in Spain beginning with the "Generacion Del '98." Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 442**
SPANISH POETRY AND DRAMA OF THE 19TH CENTURY 3.0
 A critical study of the main works of this century beginning with Duque de Rivas and Espronceda through Echegaray and Galdos. Taught in Spanish.
Prerequisites: SPAN 361 or 362. Special fee.
- SPAN 443**
SPANISH PROSE OF THE 19TH CENTURY 3.0
 The main works in Romanticism, Realism and Naturalism in 19th century Spain. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 444**
SPANISH THEATRE OF THE TWENTIETH CENTURY 3.0
 Principal trends of the Spanish theater from Benavente to the contemporary dramatists. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 446**
SPANISH AMERICAN ESSAYISTS 3.0
 The role of the essay in Spanish American life and culture. Studies of selected modern essayists. Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 447**
CONTEMPORARY SPANISH AMERICAN SHORT STORY 3.0
 Trends in the contemporary short story; the short story as an important genre in Spanish American letters. Taught in Spanish.
Prerequisites or corequisites: SPAN 363, 364 or equivalent.
- SPAN 448**
CONTEMPORARY SPANISH AMERICAN POETRY 3.0
 A study of contemporary Spanish American poetry from its roots in modernism to the present day. Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 449**
THE SPANISH AMERICAN NOVEL 3.0
 Development of the Spanish American novel up to 1945. Taught in Spanish.
Prerequisite or corequisite: SPAN 363 or 364.
- SPAN 450**
INTRODUCTION TO INTERPRETING 3.0
 This course is designed to teach the student the specialized techniques of oral interpreting and to prepare them for a career in the field. Visits to observe professional interpreters at work will be arranged. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 452**
TRANSLATING III 3.0
 Under careful supervision, the student will prepare a translation project, usually consisting of the translation of a text of approximately 50 typewritten pages. Taught in Spanish.
Prerequisites: SPAN 350. Special fee.
- SPAN 460**
EL QUIJOTE 3.0
 The literary and social background, structure, themes and style of El Quijote as a masterpiece. Taught in Spanish.
Prerequisites: SPAN 361 or 362
- SPAN 466**
CONTEMPORARY SPANISH AMERICAN THEATER 3.0
 The principal movements of the theater in Spanish America in the 20th century. Taught in Spanish.
Prerequisites: SPAN 363 or 364.
- SPAN 469**
THE DRAMA OF THE GOLDEN AGE 3.0
 Representative dramatists of the Siglo de Oro: Lope de Vega, Tirso de Molina, Ruiz de Alarcón and Calderón de La Barca. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 470**
SENIOR SEMINAR 3.0
 Selected topics from Spanish and Spanish American literature acquaint the student with the techniques of literary research. Taught in Spanish.
Prerequisites: Senior Spanish majors only.
- SPAN 471**
CONTEMPORARY TRENDS IN THE SPANISH AMERICAN NOVEL 3.0
 The contemporary novel in Spanish America, with emphasis on the "Nueva Novela." Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 472**
PUERTO RICAN LITERATURE AND THOUGHT 3.0
 Insight into the literature and philosophy of the Caribbean Hispanic world; contemporary Puerto Rican writers and the emergent Puerto Rican influence in the United States metropolitan areas. Taught in Spanish. Meets the Multicultural Awareness Requirement.
- SPAN 480**
INDEPENDENT STUDY 3.0
 Directed independent study and research in Spanish. Open to students with a 3.00 cumulative average in at least 9 semester hours of Spanish electives.
Prerequisites: Departmental approval.

SPAN 48 I

FIELD WORK IN HISPANIC COMMUNITY I

3.0

Required course in the academic minor in Hispanic community affairs. Student will devote 100 hours work in the area in which he chooses to concentrate: child care centers, mental health clinics, recreation activities, social agencies, etc., under the supervision of the MSU Passaic Center. In addition, the student must carry out an independent project by which he will demonstrate his ability to communicate with and engage the Hispanic community. Not for major credit.

Prerequisites: Departmental approval.

ITAL 101

ITALIAN I

3.0

For students beginning Italian in college or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading, and writing through task-oriented activities, video/audio cassettes, CDs, and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

ITAL 102

ITALIAN II

3.0

For students who took *Italian I* at Montclair State University, students with two years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: ITAL 101 or equivalent. Special fee.

ITAL 103

ITALIAN III

3.0

For students who took *Italian II* at Montclair State University, students with three years of high school experience in Italian, or students who have been placed at this level through the placement test. The strengthening of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002-World Languages. A continuation of Italian II to strengthen the four language skills. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: ITAL 102 or equivalent. Special fee.

ITAL 104

ITALIAN IV

3.0

For students who took *Italian III* at Montclair State University, students with two years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: ITAL 103 or equivalent. Special fee.

ITAL 242

ITALIAN GRAMMAR AND COMPOSITION I

3.0

Gives students better control of the structure of the language through written and oral practice. Required for majors. Taught in Italian.

ITAL 243

GRAMMAR AND COMPOSITION II

3.0

Mastery of the language through written and oral exercises; review of advanced grammar. Required for majors. Taught in Italian.

ITAL 275

ITALIANS AND ITALIAN AMERICANS:

COMPARATIVE STUDIES

3.0

This course shows the relationship between the Italian and Italian American experiences. It deals with aspects of religion, politics, language, work and moral codes. Comparisons are made with the experiences of other ethnic groups in America. The course is taught with an interdisciplinary approach. Taught in English. Cross listed with Classics and General Humanities, GNHU 176; Educational Foundations, EDFD 275.

ITAL 276

THE ITALIAN CINEMA

3.0

Development of the Italian cinema from Neo-Realism to today, in particular dealing with the following directors: Rossellini, Fellini, Desica, Zavattini, Bertolucci, Pasolini, Antonioni, Germi and Wertmueller. Taught in English. Cross listed with Classics and General Humanities, GNHU 277.

ITAL 281

CONTEMPORARY ITALIAN CULTURAL STUDIES

3.0

Introduction to and critical assessment of social, political, historical, economic, and religious aspects of Italian life by questioning them with a broad range of subtopics such as immigration/racism, identity, popular culture and others in search of a broader understanding of Italian culture. Comparisons drawn between Italian and American cultures. Taught in English. Meets the 1983 General Education Requirement (GER)-Contemporary Issues.

ITAL 309

ITALIAN CONVERSATION

3.0

Practice in spoken Italian through assigned topics and discussions about daily life and world events. An opportunity to acquire an adequate vocabulary and competence in Italian as an instrument of oral expression. Taught in Italian.

ITAL 321

COMMERCIAL ITALIAN

3.0

This course has been prepared for students majoring or minoring in Italian, or who can demonstrate appropriate linguistic ability in Italian, who wish to study the vocabulary, protocol and styles of correspondence, and documents common to the Italian-speaking business world. Taught in Italian.

Prerequisite: Special fee.

ITAL 340

STUDIES IN ITALIAN LITERATURE:

ORIGINS TO 18TH CENTURY

3.0

Representative works from the "Scuola Siciliana" to the 18th century analyzed and discussed. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)-Foreign Language.

ITAL 341

STUDIES IN ITALIAN LITERATURE:

18TH THROUGH 20TH CENTURY

3.0

Representative works of the 18th through 20th centuries analyzed and discussed to train students in the analysis of literary works. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: ITAL 104.

ITAL 350

TRANSLATING

3.0

The course will cover general theoretical and philosophical problems of translation and specific problems encountered in the actual translation of different types of texts ranging from literary works to daily communications. Taught in Italian.

Prerequisite: ITAL 242. Special fee.

ITAL 351

ITALIAN LITERATURE OF THE 20TH CENTURY I

3.0

Particular attention to the contemporary period. Pirandello, Saba, Ungaretti, Montale and Quasimodo. Taught in Italian.

Prerequisite: ITAL or 340 or 341.

ITAL 352

ITALIAN LITERATURE OF THE 20TH CENTURY II

3.0

Particular attention to the contemporary period. Pavese, Moravia, Silone, Vittorini and others. Taught in Italian.

Prerequisite: ITAL 340 or 341.

ITAL 360

ITALIAN CULTURAL HISTORY

3.0

This course is designed to acquaint the students with the complex and rich texture of Italian civilization from its beginnings to the present. The development of Italian arts, music and theater as well as major social and political institutions, religion, etc. will be considered against the background of Italian history. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)-Foreign Language.

ITAL 361

ITALIAN LITERATURE OF THE 19TH CENTURY I

3.0

Neo-classicism, Romanticism, and Verismo. Foscolo, Manzoni and Leopardi. Taught in Italian.

Prerequisite: ITAL 340 or 341.

ITAL 362
 ITALIAN LITERATURE OF THE 19TH CENTURY II 3.0
 Neo-classicism, Romanticism, and Verismo. Carducci, Pascoli, Verga and D'Annunzio. Taught in Italian.
Prerequisite: ITAL 340 or 341.

ITAL 375
 ITALIAN STUDY ABROAD 3.0
 Study at an Italian university to gain first hand knowledge of the historical, social, economic and cultural life of Italy. Credit by evaluation.
Prerequisite: Department approval.

ITAL 377
 ITALIAN LITERATURE OF THE 18TH CENTURY 3.0
 Representative works of the most important writers of this century: Goldoni, Parini, Alfieri, and others will be read and analyzed.
Prerequisite: ITAL 340 or 341.

ITAL 385
 COOPERATIVE EDUCATION 4.0-8.0
 This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.

ITAL 410
 ITALIAN GRAMMAR FOR TEACHERS 3.0
 A review of the most important structural features of Italian with special emphasis on those areas of interference with English which present the greatest difficulties for the student of Italian. Open to all Italian majors. Taught in Italian.
Prerequisite: ITAL 243.

ITAL 419
 THE TEACHING OF ITALIAN IN SECONDARY SCHOOLS 3.0
 Aims, objectives, and methods of teaching Italian in secondary schools; textbooks, supplementary teaching material, the language laboratory, tests, etc. Taught in English.
Prerequisites: ITAL 340 and 341.

ITAL 441
 ITALIAN LITERATURE OF THE RENAISSANCE I 3.0
 The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Emphasis on select works of Petrarch and Boccaccio. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 442
 ITALIAN LITERATURE OF THE RENAISSANCE II 3.0
 The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Selected readings from Lorenzo De Medici, Poliziano, Pulci, Boiardo, Ariosto, Tasso, Machiavelli and others. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 461
 DANTE SEMINAR I 3.0
 Medieval thought as represented in Dante's works. A selection of readings from Vita Nova, Convivio, Monarchia, analysis and exegesis of Inferno. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 462
 DANTE SEMINAR II 3.0
 Medieval thought as represented in Dante's works. A selection of readings from Vita Nova, De Vulgari Eloquentia, Convivum, and Divina Commedia read and analyzed. Taught in Italian.
Prerequisites: ITAL 340 and 341.

ITAL 469
 ITALIAN LITERATURE OF THE 13TH AND 14TH CENTURIES 3.0
 The most important representatives of the Sicilian and Tuscan schools, with particular attention to the Dolce Stil Novo and the works of Dante. Taught in Italian.
Prerequisite: ITAL 340.

ITAL 470
 SENIOR SEMINAR 3.0
 The techniques of literary research based on selected topics from Italian literature. Taught in Italian.
Prerequisite: Senior Italian majors only.

ITAL 480
 INDEPENDENT STUDY 3.0
 Directed independent study and research in Italian. Open to students with a minimum of 3.0 cumulative average in at least 9 hours of Italian electives.
Prerequisite: Departmental approval.

PORT 101
 PORTUGUESE I 3.0
 For students with no previous study of Portuguese. Training students to understand, speak, read and write the language. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: Special fee.

PORT 102
 PORTUGUESE II 3.0
 A continuation of Portuguese I, furthering the training in the understanding, speaking, reading and writing of the language. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: Special fee.

PORT 103
 PORTUGUESE III 3.0
 Strengthening the basic language skills established in Portuguese II through advanced grammar and selected readings. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: Special fee.

PORT 104
 PORTUGUESE IV 3.0
 A continuation of Portuguese III, to strengthen basic language skills through advanced grammar and selected readings. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: Special fee.

THEATRE AND DANCE

SCHOOL OF THE ARTS

Chairperson: Eric Diamond

The Department of Theatre and Dance prides itself on its academic and professional curricula, the exceptional quality of its faculty and the success of its graduates. Because its programs feature both liberal arts and professional training—the cultural legacy which influences all worthwhile quality education—student majors are afforded ample opportunities to participate in meaningful learning experiences and are given increasing responsibility as their training proceeds.

The Bachelor of Arts (B.A.) degree in Theatre Studies, is designed for those interested in the broad based, academic approach to liberal arts education. It requires a successful interview for admission to the program.

The Bachelor of Fine Arts (B.F.A.) degree program has three areas for those interested in pursuing a professional performance or production/design career. It includes a Dance major, a Theatre major with an Acting concentration and a Theatre major with a Production/Design concentration. Each of these areas requires a successful audition or portfolio review for admission to the program.

The Department of Theatre and Dance also requires an audition or interview for those interested in a minor in any of the following programs of study: Dance, Theatre or Musical Theatre. The dates and requirements for department admission and interviews/auditions may be obtained from the Admissions Office or by calling the Department of Theatre and Dance at (973) 655-4217.

Special features of the academic program include internships, performance ensembles, departmental productions, Theatre in the Raw, and Dance Repertory Company. The Department of Theatre and Dance is an accredited institutional member of the National Association of Schools of Theatre (NAST) and National Association of Schools of Dance (NASD). There is also a national honorary fraternity in the Department of Theatre and Dance: Theta Alpha Phi.

Theatre Studies Major—B.A.

Required Courses

	Semester Hours
THTR 100 Introduction to Theatrical Medium*	3
THTR 105 Acting I*	3
THTR 110 Acting II - B.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	6
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 330 Play Direction I	3
THTR 361 B.A. Theatre Workshop	3
THTR 410 Senior Project: B.A. Theatre	3
THTR 411 Dramatic Criticism	3

Note: THTR 105 may be used to fulfill a 2002 General Education Requirement (GEN ED). THTR 100 and THTR 105 may be used to fulfill a 1983 General Education Requirement (GER).

Theatre Electives

To be chosen from the following:	9
THTR 112 Singing for the Actor I	3
THTR 160 Drawing and Rendering I: Theatre	3
THTR 212 Singing for the Actor II	3
THTR 234 History of Decor	3
THTR 238 Musical Theatre I	3
THTR 245 Drafting I: Theatre	3
THTR 252 Scene Design I	3
THTR 258 Fundamentals of Stage Lighting	3
THTR 278 Stage Make-Up	3
THTR 338 Musical Theatre II	3
THTR 362 Stage Dialects	3
THTR 366 Stage Technique: Combat	3
THTR 391 Playwriting	3
THTR 430 Play Direction II	3

THTR 433 Shakespeare Workshop	3
THTR 490 Internship in Theatre	4-16

Collateral Course Requirements

To be chosen from the following:	6
ENGL 234 American Drama	3
ENGL 254 English Drama: Beginnings to 1642	3
ENGL 263 Art of Drama	3
ENGL 353 Shakespeare: Comedies-Histories	3
GNHU 285 Mythology	3
MUGN100 Introduction to Music	3

Free Electives

Dance Major—B.F.A.

Required Courses

	Semester Hours
DNCE 150 Production Elements-Dance	2
DNCE 161 Choreography I	2
DNCE 205 Rhythmic Analysis	3
DNCE 235 Laban Movement Analysis and Bartenieff Fundamentals	3
DNCE 261 Choreography II	2
DNCE 265 Dance Improvisation	2
DNCE 315 Dance History: Primitive to 1850	3
DNCE 316 Dance History: 1850 to Present	3
DNCE 325 Dance Methods	3
DNCE 361 Choreography III	2
*Dance Technique: Modern	24
*Dance Technique: Ballet	24
Dance Practicum or Dance Repertory	4
Dance elective	3
BIOL 240, 241 Mammalian Anatomy and Physiology I, II	3 ea.
*All dance technique classes in Modern and Ballet are by prior placement.	

Free Electives

No more than 4 semester hours may be in dance area.

Note: BIOL 240 and 241 may be used to fulfill 1983 General Education Requirements (GER).

Students must attain the advanced level in one dance technique and intermediate in the other for at least one (1) semester prior to graduation. Jury exams are required for graduation.

Theatre Major—B.F.A.

Concentrations Within the Program

Students in the B.F.A. programs are subject to semester jury or portfolio review and faculty evaluation to determine if they should be permitted to continue in the pre-professional programs of training.

Acting Concentration

Required Courses

THTR 100 Introduction to Theatrical Medium	3
THTR 115 Acting I - B.F.A.	3
THTR 120, 220 Movement for the Actor I-II	6
THTR 125, 225, 325 Voice for the Performer I-II-III	9
THTR 130 Acting II-B.F.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	8
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 222 Acting III-B.F.A.	3
THTR 223 Acting IV: B.F.A.: Characterization	3
THTR 278 Stage Make-Up	3
THTR 322 Acting V: B.F.A.: Styles	3
THTR 323 Acting VI: Acting for Television	3
THTR 324 Acting VII: Professional Auditions	3
THTR 330, 430 Play Direction I-II	6
THTR 362 Stage Dialects	3
THTR 371 History of Costumes: Primitive-Modern	3

Theatre Electives 6

To be chosen from the following:

THTR 112	Singing for the Actor I	3
THTR 212	Singing for the Actor II	3
THTR 238	Musical Theatre I	3
THTR 338	Musical Theatre II	3
THTR 366	Stage Technique: Combat	3
THTR 391	Playwriting	3
THTR 433	Shakespeare Workshop	3
THTR 435	Dramatic Workshop	3
THTR 490	Internship in Theatre	4-16

Free Electives 14

Production/Design Concentration

Required Courses

	Semester Hours
THTR 150 Stagecraft	3
THTR 160 Drawing and Rendering I: Theatre	3
THTR 201-203Rehearsal and Production I, II, III	8
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 234 History of Decor	3
THTR 245 Drafting I: Theatre	3
THTR 246 Drafting II: Theatre	3
THTR 250 Advanced Theatre Technology	3
THTR 252 Scene Design I	3
THTR 258 Fundamentals of Stage Lighting	3
THTR 330 Play Direction I	3
THTR 350 Technical Direction	3
THTR 371 History of Costumes: Primitive-Modern	3
THTR 440 Senior Project: Production/Design	3
THTR 458 Advanced Lighting	3

Theatre Electives 26

To be chosen from the following:

THTR 260	Drawing and Rendering II: Theatre	3
THTR 278	Stage Makeup	3
THTR 345	Scene Design II	3
THTR 352	Scene Painting	3
THTR 354	Repair and Maintenance of Theatrical Equipment	3
THTR 370	Costume Construction I	3
THTR 372	Costume Design I	3
THTR 403	Independent Study	1-3
THTR 450	Theatrical Sound	3
THTR 490	Internship in Theatre	4-16
PHYS 443	Computer Aided Drafting	3

Free Electives 12

Minor Programs

Students wishing to pursue a minor in any academic program in the Department of Theatre and Dance and have it listed on their transcript must proceed as follows:

1. Schedule and complete an interview/audition for acceptance into the minor program desired.
2. Complete the Minor Program sequence.
3. Request the Registrar, during the senior year of study, to certify on official Montclair State records the completion of a minor program of study.

Dance Minor

Required Courses

		Semester Hours
DNCE 316	Dance History: 1850 to Present	
OR		
DNCE 105	Dance Appreciation	3
DNCE 141, 241, 341, 441	Dance Technique: Modern I, II, III, IV*	6
DNCE 155, 255, 355, 455	Dance Technique: Ballet I, II, III, IV*	6

Dance Elective(s) to be selected from: 6-8

DNCE 141, 241, 341, 441	Dance Technique: Modern I, II, III, IV*	3
DNCE 155, 255, 355, 455	Dance Technique: Ballet I, II, III, IV*	3
DNCE 150	Production Elements-Dance	2
DNCE 161	Choreography I	2
DNCE 265	Dance Improvisation	2
DNCE 315	Dance History: Primitive to 1850	3
DNCE 280	Dance Practicum	

OR

DNCE 485	Repertory	1
DNCE 435	Dance Arts Activity	1-3

Total semester hours 21-23

*Placement level to be determined by audition.

Musical Theatre Minor

Required Courses

	Semester Hours
THTR 112 Singing for the Actor I	3
THTR 212 Singing for the Actor II	3
THTR 105 Acting I	
OR	
THTR 115 Acting I - B.F.A.	3
THTR 201 Rehearsal and Production I	1
THTR 238 Musical Theatre I	3
THTR 338 Musical Theatre II	3
One dance elective from the following:	
THTR 120 Movement for the Actor I	3
DNCE 141 Dance Technique: Modern I	3
DNCE 155 Dance Technique: Ballet I	3
One theatre elective to be selected from:	
THTR 100 Introduction to Theatrical Medium	3
THTR 150 Stagecraft	3
THTR 110 Acting II - B.A.	
OR	
THTR 130 Acting II-B.F.A.	3

Theatre Minor

Required Courses

	Semester Hours
THTR 100 Introduction to Theatrical Medium	3
THTR 105 Acting I	3
THTR 201 Rehearsal and Production I	1
THTR 210 Theatre History: Classical to Elizabethan	
OR	
THTR 211 Theatre History: Restoration to Modern	3
Theatre Electives to be selected from the following:	9
THTR 110 Acting II	3
THTR 150 Stagecraft	3
THTR 201 Rehearsal and Production	1-3
THTR 210 Theatre History I	3
THTR 211 Theatre History II	3
THTR 330 Play Direction I	3

Courses of Instruction

- DNCE 105**
DANCE APPRECIATION 3.0
 Course is designed to inform the student about dance as a performing art form. Focus is on developing a critical framework for viewing various styles of dance performance. The course includes lectures, discussions, selected readings, films, video tapes, and live performances. Some experiential movement sessions. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisites: Non-majors only.
- DNCE 141**
DANCE TECHNIQUE: MODERN I 3.0
 Introduction to modern dance. Techniques and basic elements of modern dance. Designed for non-majors or students with limited or no previous experience. May be repeated for a maximum of twelve credits. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- DNCE 150**
PRODUCTION ELEMENTS-DANCE 2.0
 Introduction to technical productions related to dance. Survey of terminology, application of production principles, and aesthetic potential for production.
- DNCE 155**
DANCE TECHNIQUE: BALLET I 3.0
 Study of basic ballet terminology, barre work, center floor exercises. May be repeated for a maximum of 12 credits. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- DNCE 161**
CHOREOGRAPHY I 2.0
 Elements and methods of dance composition.
Prerequisite: DNCE 265.
- DNCE 205**
RHYTHMIC ANALYSIS 3.0
 All basic rhythmic structures (basic note values, meter, etc.) covered and immediately applied to movement; games, notational assignments, and choreographic studies used to create understanding of the inherent rhythm within all basic dance movement.
Prerequisites: Dance majors only.
- DNCE 235**
LABAN MOVEMENT ANALYSIS AND BARTENIEFF FUNDAMENTALS 3.0
 Introduces principles and practical applications of Laban Movement Analysis and the Bartenieff Fundamentals. Presents LMA as a comprehensive system of analyzing, observing and notating human movement. Bartenieff Fundamentals, a body therapy used to increase body and movement efficiency with greater ease, explores the functional anatomy of body organization and patterning in human movement. Course includes both theory and practical application.
Prerequisite: Dance majors only
- DNCE 241**
DANCE TECHNIQUE: MODERN II 3.0
 Further study and application of basic movement vocabulary, alignment, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 255**
DANCE TECHNIQUE: BALLET II 3.0
 Further study of beginning ballet with emphasis on structural alignment, barre work and center floor exercises. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 261**
CHOREOGRAPHY II 2.0
 Dance choreography with emphasis on small group works and solos, including form and structure.
Prerequisite: DNCE 161.
- DNCE 265**
DANCE IMPROVISATION 2.0
 Basic skills and problems in dance improvisation.
Prerequisite: Dance majors or minors only.
- DNCE 280**
DANCE PRACTICUM 1.0
 Practical work in dance production: dancing, assisting, directing, accompanying, working on technical or house crew. May be repeated for a maximum of eight credits. This course offered as Pass/Fail only.
- DNCE 315**
DANCE HISTORY: PRIMITIVE TO 1850 3.0
 Dance as it has developed from primitive, religious, and ritualistic movement to the establishment of ballet in Russia. Emphasis upon ancient forms, courtly life, and the development of ballet. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
- DNCE 316**
DANCE HISTORY: 1850 TO PRESENT 3.0
 Study of dance in its historical context, with reference to development of ballet, modern dance, post-modernism, and jazz elements. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
- DNCE 325**
DANCE METHODS 3.0
 Approaches, problems, resources and techniques for teaching and developing dance programs geared to grades 7-12 and various adult levels. Includes curriculum, unit and lesson planning as well as practical application of methodology.
Prerequisites: Dance majors only.
- DNCE 341**
DANCE TECHNIQUE: MODERN III 3.0
 Further study and application of basic movement vocabulary, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 355**
DANCE TECHNIQUE: BALLET III 3.0
 Advanced technique in ballet with emphasis on individualized placement. Work on musicality, line, dynamics and stylistic refinement. May be repeated for a maximum of 24 credits.
Prerequisites: Dance majors or minors only. Special fee.
- DNCE 361**
CHOREOGRAPHY III 2.0
 Exploring and applying performance concepts and techniques used in choreographing for groups of varying sizes.
Prerequisite: DNCE 261.
- DNCE 403**
INDEPENDENT STUDY 1.0-3.0
 Proposals must be submitted for departmental approval prior to registration for the course.
Prerequisite: Departmental approval.
- DNCE 435**
DANCE ARTS ACTIVITY 3.0
 The theory and practice of specialized dance activities which are not currently part of the core curriculum in dance. May be repeated for credit when the title changes.
- DNCE 441**
DANCE TECHNIQUE: MODERN IV 3.0
 Continuation of DNCE 341. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.

- DNCE 455**
DANCE TECHNIQUE: BALLET IV 3.0
 Advanced ballet technique with emphasis on individualized placement. Continuation of work with intricate, technically difficult sequences. Continuation of emphasis on musicality, line, dynamics, and stylistic refinement. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 480**
SENIOR PROJECT 3.0
 Individual creative or research project under supervision of dance faculty in senior year. By arrangement.
Prerequisite: Dance majors or minors only.
- DNCE 485**
DANCE REPERTORY 1.0
 Dancing, choreographing, or providing technical assistance for the MSU Repertory Company. May be repeated for credit.
Prerequisite: Dance majors or minors only.
- DNCE 490**
INTERNSHIP IN DANCE 4.0-15.0
 Upper class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in active, successful dance activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisite: Departmental approval.
- THTR 100**
INTRODUCTION TO THE THEATRICAL MEDIUM 3.0
 All forms of theatrical literature and productions including drama, ballet, mime, opera, circus, musical comedy and mass media. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
- THTR 105**
ACTING I 3.0
 Basic introduction to acting involving exploration of one's self and experiencing inwardly; deepening the personal involvement and significance of actions; improvisation and exercises for perception, self-awareness and justification. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.
- THTR 110**
ACTING II - B.A. 3.0
 Continuation of Acting I including improvisation, scene study, characterization and script analysis.
Prerequisite: THTR 105; B.A. in Theatre Studies majors only.
- THTR 112**
SINGING FOR THE ACTOR I 3.0
 This course will develop and train the actors' voice and interpretation of songs through exercises, vocal production technique, in-class vocal assignments, and texts. The student will be expected to learn and prepare several songs over the term and be expected to be able to present them in a professional manner, i.e., with confidence, control and in a manner which best displays the actors' vocal abilities.
Prerequisite: THTR 105 or 115.
- THTR 115**
ACTING I - B.F.A. 3.0
 Work on the actor's instrument; use of the senses, involvement with the environment and other actors; concentration, honesty and work with freeing the body, voice and imagination. Improvisation is the primary tool used for developing the actor's instrument and shaping material.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 120**
MOVEMENT FOR THE ACTOR I 3.0
 Basic movement for the actor in terms of development of characterization, physicality and projection of mood and attitude.
Prerequisite: B.F.A. in Theatre, Acting concentration majors or Musical Theatre majors only.
- THTR 125**
VOICE FOR THE PERFORMER I 3.0
 The voice skills necessary for the actor. Intensive work directed toward classic and modern styles in stage diction.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 130**
ACTING II - B.F.A. 3.0
 A continuation of Acting I with more advanced work on the actor's instrument. Improvisation and theatre games used in developing a workshop for public presentation.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 150**
STAGECRAFT 3.0
 An introductory course in technical theatre, primarily, scenery construction, lighting technology, and costume construction. A practical experience course that involves stagecraft work in the theatre production shops.
Prerequisites: B.A. in Theatre Studies, or B.F.A. in Theatre, Acting concentration, or B.F.A. in Theatre, Production/Design concentration, or B.F.A. Dance majors, or Theatre minor students only.
- THTR 160**
DRAWING AND RENDERING I: THEATRE 3.0
 A drawing course aimed at developing skills necessary for rendering techniques for stage designs. Perspective drawing, the use of light shadow, composition, landscape and the techniques in different media (such as pencil, charcoal, pastel, ink, tempera), basic watercolor technique, color theory, and architectural sketching are included.
Prerequisite: THTR 150.
- THTR 201**
REHEARSAL AND PRODUCTION I 1.0
 On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 202**
REHEARSAL AND PRODUCTION II 1.0
 On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 203**
REHEARSAL AND PRODUCTION III 1.0
 On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 208**
PLAY SCRIPT INTERPRETATION 3.0
 An evaluation of the playscript in terms of the literary, technical, and production elements essential to mounting it for performance. A consideration of both the fictional and the functional elements of playscripts.
- THTR 210**
THEATRE HISTORY: CLASSICAL TO ELIZABETHAN 3.0
 The development of the theatre from the classical Greek through the Elizabethan period. Attention to plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations; oral reports, lectures and demonstrations.
- THTR 211**
THEATRE HISTORY: RESTORATION TO MODERN 3.0
 The development of the theatre from the Restoration through the Modern period. Attention on plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations of the period; oral reports, lectures and demonstrations.
- THTR 212**
SINGING FOR THE ACTOR II 3.0
 This course will continue the work of *Singing for the Actor I* to train the actors' voice through exercises and vocal production technique designed to provide flexibility and freedom to the singer; to learn to protect the voice from harm while maximizing its strengths and potential.
Prerequisites: THTR 112.

- THTR 220**
MOVEMENT FOR THE ACTOR II 3.0
 Advanced movement for the actor in terms of the relationship of movement to characterization and the need to cultivate physical and emotional relationships in body movement.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 222**
ACTING III - B.F.A. 3.0
 Introduction to the creation and use of psycho-physical action (method of physical actions) to generate physical and emotional involvement; development of work with objectives, obstacles and actions and use of the body's musculature to involve the actor and project character in both nonverbal and scripted scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 223**
ACTING IV - B.F.A.: CHARACTERIZATION 3.0
 A continuation of Acting III and work with psycho-physical action; further development of objectives, obstacles, and actions and work with the body's musculature. More advanced character study through scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 225**
VOICE FOR THE PERFORMER-II 3.0
 Intermediate study in the voice skills necessary for performance in a professional setting. Advanced work in voice production and vocal characterization directed toward performance styles and stage presentation.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 234**
HISTORY OF DECOR 3.0
 The major architectural and decorative periods of the world and their influences and role in the theatre as applied to the designer, from Ancient to Post-Modern.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 238**
MUSICAL THEATRE I 3.0
 Production styles, techniques and dramatic conventions used in the musical theatre in relation to direction, music, dance, and design.
Prerequisites: THTR 105 or 115.
- THTR 245**
DRAFTING I: THEATRE 3.0
 Techniques in theatrical drafting that explore the mechanics of drafting through the solution of practical problems in floor planning, front and rear elevations; the use of different building techniques, materials and structures.
Prerequisite: THTR 150.
- THTR 246**
DRAFTING II: THEATRE 3.0
 Advanced study in building, rigging, and stress problems related to theatre design and production. Advanced drafting techniques for theatrical designs.
Prerequisites: THTR 245.
- THTR 250**
ADVANCED THEATRE TECHNOLOGY 3.0
 An advanced course in technical theatre. Examples of topics to be covered are mechanics, stage rigging, advanced construction techniques, pneumatics, hydraulics and electronics. Practical application in department of theatre productions.
Prerequisite: THTR 150.
- THTR 252**
SCENE DESIGN I 3.0
 Interpretation or dramatic texts towards the realization of effective stage designs. Styles and principles will be explored as well as the complete process which translates visual concepts into stage worthy designs. The use of different media: drawing ground plans, paint, front elevations.
Prerequisites: THTR 160.
- THTR 258**
FUNDAMENTALS OF STAGE LIGHTING 3.0
 The functions of light on stage; the use of lighting equipment. Application work in the Memorial Auditorium and L. Howard Fox Studio Theatre.
Prerequisites: THTR 245.
- THTR 260**
DRAWING AND RENDERING II: THEATRE 3.0
 Advanced drawing and rendering for theatrical stage design. Includes work with color, the human figure and perspective as well as work with ink.
Prerequisite: THTR 160.
- THTR 265**
THE CONTEMPORARY THEATRE OF CULTURAL DIVERSITY 3.0
 The course examines multicultural issues raised in the plays of contemporary American playwrights. Relevant theatre attendance is part of the class requirement. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
- THTR 278**
STAGE MAKE-UP 3.0
 Appreciation of make-up through symbolic aspects and historic differences with regard to theatrical productions. Make-up materials and their uses; creating corrective and character make-up, mustaches and beards for a research or creative experience to compile a practical resource file.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors, or Theatre minors only.
- THTR 322**
ACTING V - B.F.A.: STYLES 3.0
 Scenes from plays of various periods; studying the manners and mores and theatrical conventions of each selected period in order to create a heightened reality when approaching period scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 323**
ACTING VI: ACTING FOR TELEVISION 3.0
 This course is designed to continue the study and development of the acting technique established in Acting I-V and to train actors to transfer these skills to the medium of television. Students will rehearse scenes taken from a wide range of material and commit them to videotape. They will learn how to make appropriate acting choices when playing in front of the camera and to deal with the problems faced by the actor in most TV/film production situations.
Prerequisite: B.F.A. in Theatre, Acting concentration students only.
- THTR 324**
ACTING VII - B.F.A.: PROFESSIONAL AUDITIONS 3.0
 The business side of acting; auditions, pictures and resumes, agents, and showcases. Students work on finding and preparing appropriate monologues for professional auditions.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 325**
VOICE FOR THE PERFORMER-III 3.0
 Advanced study in the voice skills necessary for performance in a professional setting. Intensive work in voice production and vocal development necessary to develop selected performance styles and techniques.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 330**
PLAY DIRECTION I 3.0
 Principles of direction; selection and casting; exercises in composition and movement; scenes directed for class criticism; preparation of prompt book.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.

- THTR 338**
MUSICAL THEATRE II 3.0
This course explores the role of the singing actor, including characterization and performance skills. It examines the functions of music, lyrics, and script, and how they are integrated into one dramatic effort. It addresses the differences in styles between older presentational musicals and newer musical dramas.
Prerequisite: THTR 105 or 115.
- THTR 345**
SCENE DESIGN II 3.0
A continuation of *Stage Design I* with emphasis upon specific forms of drama as well as opera and musical comedy. Includes the use of color with ink, acrylic and pastel.
Prerequisite: THTR 252.
- THTR 350**
TECHNICAL DIRECTION 3.0
An in-depth study of technical direction production and direction. Areas of study include production budgeting, planning and scheduling, and production studio design. The course will include laboratory and production experience.
Prerequisite: THTR 150.
- THTR 352**
SCENE PAINTING 3.0
The theory and practice of the general techniques of the scenic artist and the methods and materials used in this discipline.
Prerequisites: THTR 160 and B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 354**
REPAIR AND MAINTENANCE OF THEATRICAL EQUIPMENT 3.0
Practical study in the repair and maintenance of theatre equipment, including machines, lights, and tools.
Prerequisite: THTR 150.
- THTR 361**
B.A. THEATRE WORKSHOP 3.0
This course explores a variety of dramatic material for performance potential. It melds performance and directing with the study of literature and aspects of playwriting to create a dynamic theatrical experience that draws on students' theoretical background as well as performance skills.
Prerequisites: THTR 208 and B.A. in Theatre Studies majors only.
- THTR 362**
STAGE DIALECTS 3.0
Lecture and laboratory demonstration on sound substitutions, rhythms, and inflectional patterns used in creating effective stage dialects. Performance in standard British, Cockney, Irish, Scottish, French, Italian, German, and Spanish dialects.
- THTR 366**
STAGE TECHNIQUE: COMBAT 3.0
Stage use of sword-play, hand-to-hand combat and combat choreography with broadsword, epee, cudgel and staff among others.
Prerequisite: THTR 105 or 115.
- THTR 370**
COSTUME CONSTRUCTION I 3.0
Studies the practical function of the costume shop and the techniques and crafts used in the execution of costumes for the stage. Production work is included with discussions of pattern and fitting techniques.
- THTR 371**
HISTORY OF COSTUMES: PRIMITIVE-MODERN 3.0
The evolution of costume and the development of tailoring social, economic and political influences on silhouette and ornamentation, from the Primitive to the Modern eras.
- THTR 372**
COSTUME DESIGN I 3.0
A study of basic costume design for the stage, emphasizing the interpretation of dramatic texts in terms of characterization. Basic figure drawing and fabric study are included and the collaborative process which translates ideas to finished design will be explored.
Prerequisite: THTR 371.
- THTR 391**
PLAYWRITING 3.0
The creation of an original script suitable for production. The cause to effect play will be investigated as well as newer trends in theatre. Investigation of marketing possibilities, and the preparation of scripts for submission. Students should have a background in the technique and artistic aspects of the theatre.
Prerequisite: THTR 208 or departmental approval.
- THTR 403**
INDEPENDENT STUDY 1.0-3.0
Proposals must be submitted for departmental approval prior to registration for the course.
Prerequisite: Departmental approval.
- THTR 407**
INTERNSHIP: PRODUCTION/DESIGN 4.0-12.0
Practical experience as a member of a professional, semi-professional or educational theatre on- or off-campus. Work as a technician or as an assistant to the designer or producer.
Prerequisite: Departmental approval.
- THTR 410**
SENIOR PROJECT: B.A. THEATRE 3.0
This course is the capstone for the BA in Theatre Studies. Final projects with a written and practical component will be devised individually by the student and the faculty in the student's area of concentration.
Prerequisite: THTR 411.
- THTR 411**
DRAMATIC CRITICISM 3.0
Dramatic principles of theme, content, and characterization as they relate to production and performance; evaluation and analysis of the basic ingredients of dramatic criticism as related to the critic, the director, the scenic artist and the performer.
Prerequisite: THTR 361.
- THTR 430**
PLAY DIRECTION II 3.0
Advanced play direction with emphasis on the director's analysis of the script and working with performers; participants will direct a scene and a one act play.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 432**
SPECIAL TOPICS IN THEATRE 1.0-3.0
A selected aspect of theatrical theory and/or practice not included in the regular departmental offerings will be explored in depth. May be repeated for a total of six semester hours.
- THTR 433**
SHAKESPEARE WORKSHOP 3.0
Analysis and performance of scenes from Shakespearean histories, comedies, and tragedies.
Prerequisite: THTR 322 or departmental approval.
- THTR 435**
DRAMATIC WORKSHOP 3.0
An advanced course combining students as actors or directors engaged in research and performance of classical and contemporary styles of theatre in a "works-in-progress" atmosphere. Material will be drawn from the full spectrum of theatre.
Prerequisite: B.A. in Theatre Studies majors or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 440**
SENIOR PROJECT: PRODUCTION/DESIGN 3.0
Topics for investigation in the area of production and design.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 450
THEATRICAL SOUND 3.0
Theatrical uses of sound in production approaches to theatre. Primary focus on the role sound plays in enhancing theatrical design and production.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 458
ADVANCED LIGHTING 3.0
Advanced lighting skills in theatre and the related areas of dance, opera and the musical comedy.
Prerequisite: THTR 258.

THTR 490
INTERNSHIP IN THEATRE 4.0-16.0
Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in an active, successful theatre, dance, speech or media center program. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration. Credit by arrangement.
Prerequisite: Departmental approval.

THTR 495
THESIS (SENIOR) 3.0
Senior project in an area of student's primary field of specialization; theatre history, dramatic literature, criticism or performance theory. Requires intensive research project demonstrating the student's ability to apply the theories and principles revealed by his project to performance or production.



Women's Studies Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Director: Carla Petievich

The Women's Studies major is an interdisciplinary academic program that provides students with a knowledge of the history and evolution of feminist theory and practice. It imparts to students an understanding of the feminist debates that take place in a multitude of disciplines and the role that these play in broadening and restructuring other disciplines. The program situates Women's Studies within a cross-cultural context and enhances students' awareness of issues affecting women in different cultural, religious, ethnic, economic, and class settings. Women's Studies empowers students to participate in transforming repressive cultural and political practices and to use their knowledge to create a personal and communal agenda aimed at social change.

The Women's Studies major prepares students for postgraduate education in Women's Studies and for careers in fields related to social services, education, psychology, communications and the media, the arts, law, health professions and community action work.

Women's Studies Major

Required Core Courses (12 semester hours)

	Semester Hours
WMST/PSYC 102 Women's Worlds	3
WMST 301 Feminist Theory	3
WMST 302 Selected Topics in Women's Studies	3
WMST 402 Seminar in Women's Studies	3

Electives (21 semester hours)

Students will select 7 courses from among the Women's Studies offerings with no more than 3 courses from any one department. At least 5 of the courses must be at the 200 level or above. Students may choose from among the courses listed under Women's Studies in the Schedule of Courses booklet. Students may repeat the Selected Topics course twice as an elective, in addition to taking it as a requirement.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the major only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Anthropology

ANTH 380 Anthropology of Women

Classics and General Humanities

GNHU 383 Women in Antiquity

Counseling, Human Development and Educational Leadership

COUN 481 The Legal Rights of Women

Economics

ECON 250 Selected Topics in Economics*

Educational Foundations

EDFD 264 Sexism in American Education

English

ENGL 250 Special Topics in English or American Literature*

ENGL 294 Women Poets

ENGL 301 The Novels of Toni Morrison

ENGL 493 Seminar in American Literature*

ENLT 372 Women Prose Writers

ENLT 472 Seminar: Images of Muslim Women in

Twentieth Century Literature and Culture

ENLT 492 Seminar in Comparative Literature*

Fine Arts

ARHS 108 Women in Art

French, German, and Russian

GRIN 297 Women in Russian Literature

History

HIST 215 Women in American History

HIST 309 Feminist Ideas in Western Thought

HIST 334 Women in the Muslim World: A History of Representation

Human Ecology

HECO 205 Women in Contemporary Society

Latin American and Latino Studies

LALS 205 Images and Identity: Representation of
Latin American Women in Fiction and Film

Legal Studies

LSLW 391 Women and the Law

Linguistics

LNGN 255 Language and Gender

Music

MUHS 404 Selected Topics in Music History*

Philosophy and Religion

RELG 104 Feminist Theology and Spirituality

RELG 207 Religious Texts in America: Women

RELG 267 Women in Religion

Political Science

POLS 214 Women in Politics

Psychology

PSYC 265 Psychology of Women

Sociology

SOCI 413 Selected Topic in Institutional Processes*

SOCI 414 Selected Topics in Applied Sociology*

SOCI 426 Sociology of Sexuality

SOCI 430 Sociology of Gender

Women's Studies

WMST 302 Selected Topics in Women's Studies

WMST 401 Independent Study

Women's Studies Minor

Director: Carla Petievich

The Women's Studies Minor program is an interdisciplinary academic program. The minor includes two required three credit core courses: an introductory interdisciplinary course, and a course in feminist theory. Flexibility of choice of the other 12 credits from courses in various academic departments permits a student either to get a broad perspective of women's studies or to specialize in an area such as women in literature or women in society. Each student should consult with the Director of the Women's Studies program to work out a suitable course of studies to meet the minor requirements. The Women's Studies minor consists of 18 credits.

Required Courses (6 semester hours)

	Semester Hours
WMST 102 Women's Worlds (cross listed with PSYC 102)	3
WMST 301 Feminist Theory	3

Electives (12 semester hours)

Select four three credit courses from the following interdepartmental list to complete the eighteen required semester hours.

Note: With departmental approval up to 2 graduate courses at the 500 level may be substituted.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the major only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Anthropology

ANTH 380 Anthropology of Women

Classics and General Humanities

GNHU 383 Women in Antiquity

Counseling, Human Development and Educational Leadership

COUN 481 The Legal Rights of Women

Economics

ECON 250 Selected Topics in Economics*

Educational Foundations

EDFD 264 Sexism in American Education

English

ENGL 250 Special Topics in English or American Literature*

ENGL 294 Women Poets

ENGL 301 The Novels of Toni Morrison

ENGL 493 Seminar in American Literature*

ENLT 372 Women Prose Writers

ENLT 472	Seminar: Images of Muslim Women in Twentieth Century Literature and Culture	3
ENLT 492	Seminar in Comparative Literature*	3
Fine Arts		
ARHS 108	Women in Art	3
French, German, and Russian		
GRIN 297	Women in Russian Literature	3
History		
HIST 215	Women in American History	3
HIST 309	Feminist Ideas in Western Thought	3
HIST 334	Women in the Muslim World: A History of Representation ..	3
Human Ecology		
HECO 205	Women in Contemporary Society	3
Latin American and Latino Studies		
LALS 205	Images and Identity: Representation of Latin American Women in Fiction and Film	3
Legal Studies		
LSLW 391	Women and the Law	3
Linguistics		
LNGN 255	Language and Gender	3
Music		
MUHS 404	Selected Topics in Music History*	3
Philosophy and Religion		
RELG 104	Feminist Theology and Spirituality	3
RELG 207	Religious Texts in America: Women	3
RELG 267	Women in Religion	3
Political Science		
POLS 214	Women in Politics	3
Psychology		
PSYC 265	Psychology of Women	3
Sociology		
SOCI 413	Selected Topic in Institutional Processes*	3
SOCI 414	Selected Topics in Applied Sociology*	3
SOCI 426	Sociology of Sexuality	3
SOCI 430	Sociology of Gender	3
Women's Studies		
WMST 302	Selected Topics: Women's Studies	3
WMST 401	Independent Study	3
WMST 402	Seminar in Women's Studies	3

Courses of Instruction

WMST 101 INTRODUCTION TO WOMEN'S STUDIES 3.0

A team of two or more faculty members from various disciplines, employing scientific, sociological, historical, and artistic insights, methods and data examines the sources and meanings of different treatments of women in this and other human societies.

WMST 102 WOMEN'S WORLDS 3.0

This course introduces the student to the broad and interdisciplinary field known as Women's Studies. It is designed to make students aware of the new discoveries in feminist research and to focus on many aspects of the female experience. The course is designed to help students understand different methodologies in diverse disciplines and to treat areas such as literature, history, psychology, and the arts through a thematic approach. Cross listed in Psychology under PSYC 102. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.

WMST 301 FEMINIST THEORY 3.0

This course examines a wide variety of feminist theories which illustrate the many ways in which issues of gender can be interpreted. Recognizing that gendered identities are molded by such factors as class, race, sexual orientation, and national identity, this course explores the issues of difference among women and the role of theory in conceptualizing such differences.

Prerequisite: WMST 102 or PSYC 102.

WMST 302 SELECTED TOPICS IN WOMEN'S STUDIES 3.0

The exploration of a topic related to Women's Studies which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in an existing course. The specific topic will be announced each time the course is offered. May be repeated twice for a total of nine semester hours.

Prerequisite: WMST 102 or PSYC 102.

WMST 401 INDEPENDENT STUDY 3.0

This course involves advanced research on a topic of particular interest to the student that goes beyond the scope of available courses in Women's Studies. Students are required to hand in an extensive paper documenting the results of their research.

Prerequisite: WMST 102 or PSYC 102 and departmental approval.

WMST 402 SEMINAR IN WOMEN'S STUDIES 3.0

Each participant completes an individual project that is either (a) research on an approved topic or (b) a description and analysis of a long-term field experience. With a faculty facilitator, students discuss research strategies, issues, and work in progress.

Prerequisites: WMST 102 or PSYC 102 and WMST 301 and 9 additional hours in Women's Studies program. Junior standing.

INTERDISCIPLINARY MINORS

Montclair State University offers several interdisciplinary minors. An interdisciplinary minor provides students with the opportunity to investigate an area of interest from a number of perspectives. In some cases, interdisciplinary minors draw on a broad range of courses from several departments, as with African-American Studies and International Studies. In other cases, these programs build their curriculum from a specific set of departments, as with Archaeology, Cognitive Science, Criminal Justice, Film, and Latin American and Latino Studies.

In all cases, interdisciplinary programs provide students with a rich learning experience that draws on the strengths of more than one discipline. Students may complement their major with one of the interdisciplinary minors listed below. For interdisciplinary majors, see entries for General Humanities, Justice Studies, and Women's Studies major and minor (listed in the table of contents under the alphabetic listing of Academic Programs and Departments).

African-American Studies Minor (18 semester hours)

Director: Sandra Y. Lewis

The undergraduate minor in African-American studies is an interdisciplinary academic program designed to be complementary to any of the undergraduate majors of Montclair State. The African-American and African syntheses within the context of African, American and European culture are presented with their transcultural, interethnic and intellectual traditions-providing an appreciation of the heritage, arts, sciences and values on non-European and non-Euro-American groups. The African-American Studies program will also provide for Black students a greater knowledge of self, self-respect and self-esteem. African-American Studies for other students will build knowledge and awareness of African-American history, African-American culture and African-American people. Students who are interested in completing the requirements of the minor are urged to consult with the director about their programs.

Effective Fall 2003: AFAM 100 *Introduction to Black Studies* will become a required course and RELG 106 *African Religious Traditions* will be added to the list of electives in the African-American Studies minor. This alteration increases the number of required semester hours in the program to nine semester hours and decreases the number of elective semester hours to six semester hours.

Required Courses (6 semester hours)

Select one of the following:

HIST 108	Introduction to African Civilization	3
HIST 217	History of Black Americans	3

Select one of the following:

PSYC 246	Psychology of the Black Experience	3
SOCI 202	Racial and Ethnic Relations	3

Electives (12 semester hours)

Select 12 semester hours from the following interdepartmental list:

Anthropology

ANTH 170	Peoples of Africa	3
----------	-------------------	---

Classics and General Humanities

GNHU 381	Africa in Classical Antiquity	3
----------	-------------------------------	---

Earth and Environmental Studies

EUGS 412	Geography of Sub-Sahara Africa	3
----------	--------------------------------	---

Economics and Finance

ECON 250	Selected Topics in Economics	3
(When topic is: Marketing Processes and Minorities)		

ECON 405	Economic Development of Sub-Saharan Africa	3
English		
ENGL 238	Black Writers in the United States: A Survey	3
ENGL 493	Seminar in American Literature	3
(When topic is: Richard Wright and Contemporaries)		
ENLT 366	African Myth and Literature	3
Fine Arts		
ARHS 275	Afro-American Art	3
ARHS 458	African Art: Sub-Saharan	3
History		
HIST 108	Introduction to African Civilization	3
HIST 217	History of Black Americans	3
Human Ecology		
HEFM 445	The Inner City Family	3
Management		
MGMT 332	Minorities in Business	3
Music		
MUGN 150	Influence of Afro-American Culture on Music	3
MUGN 209	Introduction to Jazz	3
MUGN 250	Rap and Rock as Cultural Phenomena	3
Philosophy and Religion		
RELG 108	African American Religious Experience	3
RELG 350	Selected Study in World Religions	3
(When topic is: Religions of Africa)		
RELG 352	Selected Study in Religious Texts	3
(When topic is: African American Religious Leaders)		
Political Science		
POLS 204	Government and Politics of Africa	3
POLS 312	Black Politics in America	3
Psychology		
PSYC 246	Psychology of the Black Experience	3.0
Sociology		
SOCI 202	Racial and Ethnic Relations	3
SOCI 205	Black Family	3
SOCI 311	Urban Sociology	3
Theatre and Dance		
DNCE 345	Dance Technique: Ethnic	3

Course of Instruction

AFAM 100

INTRODUCTION TO BLACK STUDIES

3.0

This course is designed: (1) to introduce and define the origins, relevance and scope of Black Studies and to discuss critically major challenges facing Black Studies; (2) to introduce and to delineate fundamental issues and areas for critical discussion in the discipline and the seven core areas of Black Studies (Black History, Black Religion, Black Social Organization, Black Politics, Black Economics, Black Creative Production, Black Psychology), as well as the emergence and development of Afrocentricity, Black Women's Studies, Multicultural Studies, and Classical African Studies; and (3) to raise provocative questions about the Black experience which cultivate the use of and an appreciation for inquiry and analysis as indispensable tools to an effective grasp and critical discussion of Black Studies.

Archaeology Minor (18 semester hours)

Coordinator: Timothy Renner

Jointly sponsored by the Anthropology, Classics and General Humanities, and Fine Arts departments, together with support from Earth and Environmental Studies, this program offers an interdisciplinary program in the study of ancient and other past cultures through the evidence of their material remains. The required coursework of the minor includes an overview of ancient cultures, archaeological procedures, and archaeological theory. Students are also encouraged to take course work in appropriate foreign languages and in those aspects of the natural and social sciences which aid in studying the material remains of cultures and in integrating this evidence into a broader understanding of human society.

Through programs sponsored by the University's Center for Archaeological Studies, students have numerous excellent opportunities to participate in fieldwork as part of their coursework and/or preprofessional experience in archaeology. Currently, for instance, it is possible for students to develop basic fieldwork skills in surveying, excavating, mapping, and artifact analysis through projects directly run by the Center in northern New Jersey (for prehistoric and historical North American archaeology) and in Central America (for Maya culture). Students may also participate in archaeological fieldwork projects in the Mediterranean and in other regions, and they may develop expertise in geoarchaeology by working with faculty from the Department of Earth and Environmental Studies.

The Archaeology minor makes an excellent complement to any liberal arts or professional studies major. But more specifically, archaeology has recently become a subject of great interest to many people in the public at large, and students who go on to work in the media, in the travel industry, and in international business (to name only a few examples) can profit greatly from studying it. In addition, the need for archaeological impact studies for construction and historic preservation projects has created many new opportunities in applied archaeology, especially for students who also study anthropology and/or go on to graduate work in archaeology. Lastly, students who wish to do graduate work in archaeology in preparation for a career in teaching, research, or museum work will find the Archaeology minor to be excellent preparation, especially when combined with a major in an appropriate related area such as Anthropology, Classics, or Art History.

Required Courses (6 semester hours)

	Semester Hours
ANTH 103 Prehistoric Archaeology	3
GNHU 181 Introduction to Classical Archaeology	3

Electives (12 semester hours)

Group A (Select at least one): 12

Fine Arts

ARHS 215 Ancient Art	3
ARHS 328 Survey of Greek Art	3
ARHS 457 Pre-Columbian, Oceanic, and African Art	3
ARHS 485 Ancient Art in Italy: Etruscan and Roman Art	3

Group B (Select one to three):

Anthropology

ANTH 270 Archaeology of Ancient Middle America	3
ANTH 370 Experimental Archaeology	3
ANTH 470 Archaeological Field Methods	3-6
ANTH 490 Internship in Anthropology	3-6

Classics and General Humanities

GNHU 281 Greek Civilization	3
GNHU 282 Roman Civilization	3
GNHU 351 The City in Antiquity	3
GNHU 361 Selected Topics in Mediterranean Archaeology	3
GNHU 362 Field Methods in Mediterranean Archaeology	3

Cognitive Science Minor

Coordinator: David J. Townsend

Cognitive Science is the interdisciplinary study of mind and intelligence. It uses the methods of computer science, linguistics and psychology to examine how the mind carries out intelligent behaviors such as:

- Understanding
- Planning
- Creating
- Reasoning
- Problem solving

The Cognitive Science minor addresses such questions as:

- What is consciousness?
- How did intelligence originate?
- How are languages stored in the brain?
- Can a computer that carries out a conversation with a human think and feel?

The Minor in Cognitive Science provides excellent preparation for graduate programs in Cognitive Science, Psychology, Linguistics, Philosophy, and Communication Sciences.

Required Courses (11 semester hours)

	Semester Hours
PSYC 220 Quantitative Methods	4
PSYC 290 Introduction to Cognitive Science	3
PSYC 301 Experimental Psychology	4

Electives (9 semester hours)

Students select three courses from outside their major. Electives must be from at least two departments. No more than one Psychology elective course counts toward the minor.

Computer Science

CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3
CMPT 280 Assembly Language and Computer Architecture	3
CMPT 285 Discrete Mathematical Structures	3
CMPT 287 Data Structures and Algorithms	3
CMPT 384 Systems of Software	3
CMPT 388 Foundations of Artificial Intelligence	3

Linguistics

LNGN 300 Syntax	3
LNGN 301 Semantics	3
LNGN 302 Pragmatics	3
LNGN 380 Natural Language Processing	3
LNGN 420 Language and Mind	3

Philosophy and Religion

PHIL 266 Philosophy of Science	3
PHIL 270 Philosophy of the Mind	3

Psychology

PSYC 305 Physiological Psychology	3
PSYC 308 Perception	3
PSYC 313 Cognition	3
PSYC 314 Psychology of Judgment and Decision making	3
PSYC 340 Human Learning and Memory	3
PSYC 348 Psycholinguistics	3
PSYC 490 Seminar in Cognitive Science	3

Communication Sciences and Disorders

CS&D 410 Neuro-psychological Bases of Communication	3
CS&D 500 Speech and Language Acquisition	3

Criminal Justice Minor

Coordinator: David J. Dodd

This interdisciplinary minor offers students the opportunity to prepare for work in the Criminal Justice field. It is designed to provide students with the concepts and research methods needed for a successful career in criminal justice agencies and for graduate work in criminology and criminal justice. A minor in Criminal Justice is useful preparation for a career in police work, corrections, probation, parole, youth work, counselling, public and social service administration.

Required Courses (18 semester hours)

	Semester Hours
SOCI 101 Criminology	3
SOCI 232 Introduction to Criminal Justice	3
SOCI 322 Juvenile Delinquency and Juvenile Justice	3
SOCI 325 The Sociology of Police	3
SOCI 353 Sociology of Corrections	3
LSPR 301 Criminal Law and Procedure	3

Electives (6-7 semester hours)

Two electives to be chosen from among the following (6-7 semester hours):

Anthropology

ANTH 230 Anthropology of Conflict and Violence	3
OR	

SOCI 230 Sociology of Conflict and Violence	3
---	---

Justice Studies

JUST 240 Statistics for Social Research	4
---	---

Legal Studies

LSPR 317 Evidence	3
-------------------------	---

Political Science

POLS 323 American Constitutional Law: Civil Rights and Liberties	3
OR	

LSLW 360 Rights, Liberties and American Justice (Legal Studies)	3
---	---

Psychology

PSYC 231 Psychology of Aggression	3
---	---

PSYC 248 Psychology and Law	3
-----------------------------------	---

PSYC 330 Forensic Psychology	3
------------------------------------	---

PSYC 365 Abnormal Psychology	3
------------------------------------	---

Sociology

SOCI 203 Sociology of Organized Crime	3
---	---

SOCI 238 Research Methods in Criminal Justice	3
---	---

SOCI 321 White Collar Crime	3
-----------------------------------	---

SOCI 405 Deviance and Social Control	3
--	---

SOCI 420 Sociology of Law	3
---------------------------------	---

Total number of semester hours: 24-25

Note: For students who prefer to include the study of Criminal Justice within their major, the university now offers a Justice Studies major with a concentration in Justice Systems. This program focuses on issues of justice from a multi-disciplinary perspective, incorporating Sociology, Legal Studies, and Psychology.

Film Minor

Film Minor

Coordinator:

Janet Cutler

Film Production

Coordinator:

Michael Siporin

An interdisciplinary program, designed for students in both the humanities and the fine arts, the Film Minor offers experience in filmmaking, as well as criticism, history, theory, and aesthetics.

Required Courses (6 semester hours)

ARFM 200 Film Making, Beginning I	3
---	---

ENFL 208 Introduction to the Film	
-----------------------------------	--

Electives

Survey Courses (6 semester hours)

Students must select two of the following:

English

ENFL 250 Major Film Directors	3
-------------------------------------	---

ENFL 255 World Film	3
---------------------------	---

ENFL 260 Major Film Genres	3
----------------------------------	---

Fine Arts

ARFM 210 Film Making, Beginning II	3
--	---

Specialized Courses (6 semester hours)

Students must select two of the following:

Classics and General Humanities

GNHU 286 French Film	3
----------------------------	---

English

ENFL 310 Screenwriting I	3
--------------------------------	---

ENFL 350 Three Directors	3
--------------------------------	---

ENFL 356 The Contemporary Film	3
--------------------------------------	---

ENFL 357 American Film to 1945	3
--------------------------------------	---

ENFL 358 American Film 1945 to the Present	3
--	---

ENFL 360 Film Comedy	3
----------------------------	---

ENFL 410 Screenwriting II	3
---------------------------------	---

ENFL 490 Special Topics in Film Studies	3
---	---

ENFL 496 Seminar on Film	3
--------------------------------	---

Fine Arts

ARFV 220 Video with Computer Multi-media, Introduction A	3
--	---

ARFM 280 Film as Art: Historical and Contemporary	3
---	---

ARFM 300 Film Making, Intermediate	3
--	---

ARFM 400 Film Making, Advanced	3
--------------------------------------	---

French, German, and Russian

FRIN 286 French Film	3
----------------------------	---

Spanish/Italian

ITAL 276 The Italian Cinema	3
-----------------------------------	---

International Studies Minor (18 Semester Hours)

Director: Benjamin Hadis

The purpose of this interdisciplinary minor is to provide students with an education that broadens their knowledge of the peoples of the world, international events, and the socio-economic and socio-political background to global affairs. To do this, it integrates area studies and the study of international problems viewed from a cross disciplinary perspective. New curricular efforts, including global perspectives in issues-oriented courses, are emphasized.

This minor provides a splendid foundation for careers in which an understanding of international economic, political, social, and cultural affairs is of importance; it also provides a foundation for graduate work in the field; and is an excellent complement to majors in the humanities, social sciences, fine arts and business.

Required Courses (6 semester hours)

Basic Core Requirements		Semester Hours
INTL 100	Introduction to Global Issues	3
INTL 400	Integrative Seminar in International Studies	3

Electives (12 semester hours)

Select twelve semester hours from the following list which may also be obtained from the director of the program or at:

www.chss.montclair.edu/~hadisb/minor.htm

These electives will include six semester hours in area studies courses and three semester hours each in global issues and courses with international focus.

AREA STUDIES COURSES: 6 semester hours

Anthropology

ANTH 170	Peoples of Africa	3
ANTH 150	Native Latin Americans	3
ANTH 304	Peoples of the Soviet Union	3
ANTH 270	Archaeology of Ancient Middle America	3
ANTH 431	Development of Indian Character and Culture	3
ANTH 432	Development of Japanese Character and Culture	3

Earth and Environmental Studies

EUGS 308	Land and Life in Latin America	3
EUGS 412	Geography of Sub-Sahara Africa	3

English

ENLT 366	African Myth and Literature	3
ENLT 376	Modern European Novel	3

Fine Arts

ARHS 458	Africa Art: Sub-Saharan	3
----------	-------------------------	---

French, German, and Russian

GRIN 293	Russian Culture and Civilization	3
----------	----------------------------------	---

History

HIST 105	Emergence of European Civilization, 1500-1914	3
HIST 106	Contemporary Europe, 1914 to the Present	3
HIST 108	Introduction to African Civilization	3
HIST 114	Early Latin American Civilization	3
HIST 115	History of Puerto Rico	3
HIST 116	Modern Latin-American Civilization	3
HIST 131	Introduction to Indian Civilization	3
HIST 132	Introduction to Chinese Civilization	3
HIST 133	Modern Chinese Civilization	3
HIST 322	Medieval European Civilization, 450-1350	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia Since 1917	3
HIST 328	Conflict in Modern Ireland	3
HIST 329	History of England to 1714	3
HIST 331	History of England, 1714-1914	3
HIST 333	History of Brazil	3
HIST 416	Church and State in Latin America	3
HIST 419	Age of Renaissance, 1350-1517	3
HIST 425	Ideas in European History: Burke to Nietzsche	3
HIST 426	The Nazi Third Reich	3
HIST 430	Revolutions in Latin American History	3
HIST 431	Development of Indian Character and Culture	3
HIST 432	Development of Japanese Character and Culture	3

Philosophy and Religion

PHIL 237	Asian Philosophy	3
RELG 202	Asian Religions	3

Political Science

POLS 204	Government and Politics of Africa	3
POLS 206	Government and Politics of China and Japan	3
POLS 316	Contemporary Western European Politics	3
POLS 404	Government and Politics of India and South Asia	3
POLS 405	Government and Politics of Latin America	3
POLS 406	Government and Politics of the Middle East	3
POLS 407	Government and Politics in the Post-Soviet States	3
POLS 412	Government and Politics in the East European States	3

Spanish/Italian

ITAL 363	Italians and Italian-Americans: Comparative Studies	3
----------	---	---

GLOBAL ISSUES COURSES: 3 semester hours

Anthropology

ANTH 230	Anthropology of Conflict and Violence	3
ANTH 312	Peasant Culture	3
ANTH 350	Anthropology of Aging and the Aged	3
ANTH 380	Anthropology of Women	3
ANTH 425	Anthropology of Religion	3

Earth and Environmental Studies

EUGS 102	World Geography	3
GEOS 110	Natural Disasters	3
GEOS 198	Earth, Society and Energy Alternatives Race	3
EUGS 300	World Resources and Industries	3
EUGS 421	Population Problems of the World	3

Economics and Finance

ECON 300	World Resources and Industries	3
ECON 403	Comparative Economic Systems	3

English

ENLT 176	World Literature: The Coming of Age Theme	3
ENLT 177	World Literature: Voices of Tradition and Challenge	3
ENFL 255	World Film	3

Fine Arts

ARHS 217	Selected Masterpieces of World Art	3
----------	------------------------------------	---

History

HIST 315	War in History	3
SOSC 223	Simulation Games and Global problems	3

Human Ecology

HENU 153	Food and People	3
----------	-----------------	---

Philosophy and Religion

RELG 100	Religions of the World	3
RELG 225	Religion and Social Change	3

Sociology

SOCI 216	Sociology of Food and Population	3
SOCI 218	Sociology of Population	3
SOCI 219	Sociology of Aging	3
SOCI 220	Sociology of Rich and Poor Nations	3
SOCI 315	Social Stratification	3

INTERNATIONAL FOCUS: 3 semester hours

Anthropology

ANTH 100	Cultural Anthropology	3
ANTH 102	Anthropological Linguistics	3
ANTH 360	Cultural Ecology	3
ANTH 405	Psychological Anthropology	3
ANTH 440	Medical Anthropology	3
ANTH 461	Cultural History of Primitive Societies	3

Curriculum and Teaching

ISED 101	Technology and Culture: Past, Present and Future	3
----------	--	---

Economics and Finance

ECON 222	Economic History of Europe	3
ECON 303	Economic Growth and Development	3
ECON 402	International Economics	3

Earth and Environmental Studies

EUGS 101	Human Geography	3
EUGS 462	People and Cities: Comparative Urban Studies	3
GEOS 201	Climatology	3

Economics and Finance

FINC 327	International Financial Management	3
FINC 431	Advanced International Financial Management	3

Fine Arts

ARHS 220	Art in Non-Western Societies	3
ARHS 327	History of Oriental Art	3
ARHS 457	Pre-Colombian, Oceanic and African Art	3

History	
HIST 103	Foundations of Western Civilization 3
HIST 204	The Second World War 3
HIST 309	Feminist Ideas in Western Thought 3
Management	
MGMT 336	International Business Management 3
Marketing	
MKTG 349	International Marketing 3
Music	
MUGN 160	Introduction to Music in World Cultures 3
Political Science	
POLS 202	International Relations 3
POLS 203	International Organizations 3
POLS 303	Politics of Development and Modernization 3
POLS 430	International Law 3
Sociology	
SOCI 212	Sociology of Social and Technological Change 3
SOCI 230	Sociology of Conflict and Violence 3
SOCI 219	Sociology of Aging 3
SOCI 404	Sociology of Religion 3
Spanish/Italian	
ITAL 364	The Italian Cinema 3
PORT 260	Luso-Brazilian Culture 3
SPIN 161	Magic Realism in Spanish American Literature 3
SPIN 180	Luso-Brazilian Literature 3

Courses of Instruction

INTL 100	3.0
INTRODUCTION TO GLOBAL ISSUES	
This course is designed to offer students an opportunity to study, in a cross-cultural context, a number of topics which are of a global nature and affect humanity in profound ways and which may influence the evolution of world trends.	

INTL 400	3.0
INTEGRATIVE SEMINAR IN INTERNATIONAL STUDIES	
Directed research and preparation of seminar reports and written papers on topics which utilize comparative as well as interrelated approaches to international and global issues and themes.	
<i>Prerequisites: Program director's approval.</i>	

INTL 401	6.0-12.0
STUDY ABROAD	
Actual courses of instruction are those offered by institutions taking part in Montclair State's study abroad or student exchange programs. Students participating in the program will select, in advance, the courses by consulting with the director of International Studies, their academic advisors, and the coordinator of the overseas program at the host institution.	
<i>Prerequisites: Program director's approval.</i>	

Latin American and Latino Studies Minor

Director: Pamela Smorkaloff

The Latin American and Latino Studies Program (LALS) is an interdisciplinary program that allows students to explore the rich heritage and contemporary trends of Latin-based cultures in the United States and beyond.

Many students in the program are heritage speakers of either Spanish or Portuguese. However, anyone able to demonstrate proficiency in Spanish or Portuguese is eligible to become an LALS student. Students may pass a language proficiency test or complete two semesters (six credits) in one of the above languages. The last option meets the General Education Requirement for foreign language. Language study is not counted toward credits for the minor.

Latin American and Latino Studies students greatly benefit from study abroad opportunities, although study abroad is not a requirement. Students interested in taking advantage of this option must make arrangements through MSU's Office of International Studies. Students must work with an LALS advisor to select courses and determine methods of evaluation. As many as four courses from the study abroad experience may be used to complete the LALS minor (again, with the exception of language courses). The capstone course for the minor, LALS 401, must be taken after the study abroad experience.

Required Courses (6 semester hours)

	Semester Hours
LALS 201 Perspectives on Latin America	3
LALS 401 Capstone Course in Latin America and Latino Studies	3

Electives (12 semester hours)

Select 12 semester hours (four courses) of electives from the interdepartmental list below. These four elective courses will be completed in at least two different academic departments. Courses will be selected with the help and approval of a program advisor so the selection reflects a cohesive structure that is articulated to the student's major concentration.

Anthropology	
ANTH 150	Native Latin Americans 3
Earth and Environmental Science	
EUGS 308	Land and Life in Latin America 3
Economics and Finance	
ECON 250	Selected Topics in Economics 3
<i>(Topic must be: Economics of Latin America and the Caribbean)</i>	
History	
HIST 114	Early Latin American Civilization 3
HIST 115	History of Puerto Rico 3
HIST 116	Modern Latin American Civilization 3
HIST 333	History of Brazil 3
HIST 416	Church and State in Latin America 3
HIST 430	Revolutions in Latin American History 3
Latin American and Latino Studies	
LALS 205	Image and Identity: Representation of Latin American Women in Film and Fiction 3
Legal Studies	
LSPR 316	Skills for Bilingual Legal Personnel 3
Philosophy and Religion	
RELG 256	Religion in Latin America 3
Political Science	
POLS 405	Government and Politics of Latin America 3
Spanish and Italian (Courses taught in Spanish)	
SPAN 270	Spanish American Cultural History 3
SPAN 363	Masterpieces of Spanish American Literature I 3
SPAN 364	Masterpieces of Spanish American Literature II 3
SPAN 447	Contemporary Spanish American Short Story 3
SPAN 448	Contemporary Spanish American Poetry 3
SPAN 449	The Spanish American Novel 3
SPAN 466	Contemporary Spanish American Theater 3
SPAN 471	Contemporary Trends in the Spanish American Novel 3
SPAN 472	Puerto Rican Literature and Thought 3
SPAN 475	Seminar on Hispanic Culture in the United States 3
SPAN 481	Field Work in Hispanic Community I 3

Courses of Instruction

LALS 201

PERSPECTIVES ON LATIN AMERICA

3.0

A multidisciplinary course: emphasis on anthropological, political, economic, cultural, and historical issues. Assume that the "Americas" are a geographical and cultural unit whose apparent diversity represents that of various indigenous peoples with an overlay of European patterns of colonialism, including slavery. Meets the Multicultural Awareness Requirement.

LALS 205

IMAGE AND IDENTITY: REPRESENTATION OF LATIN AMERICAN WOMEN IN FILM AND FICTION

3.0

An analysis of representations of Latin American women in film and fiction with a special focus on the process of identity construction. Representations of women from pre-Colombian times to the present will be studied in relation to their use in the perpetuation of ideologies. Intended as an overview of the social history of women in Latin America, the course may be taken as an elective, as part of the Latin American and Latino Studies minor, the Women's Studies major, or the Women's Studies minor. Meets the 1983 General Education Requirement (GER)-Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

LALS 290

SELECTED TOPICS IN LATIN AMERICAN AND LATINO STUDIES

3.0

Study of selected topics and problems in Latin American and Latino Studies. Topics announced each semester.

LALS 401

CAPSTONE COURSE IN LATIN AMERICAN AND LATINO STUDIES

3.0

Involves intensive reading, field work and research that focuses on a specific area of Latin American and Latino studies. Topic must be selected by the instructor; may be a more advanced and centered treatment of a lower level course.

Prerequisite: LALS 201.

OTHER PROGRAMS

Combined Bachelor of Science/Doctor of Dental Medicine Degree Program

Montclair State and the University of Medicine and Dentistry of New Jersey - New Jersey Dental School (UMDNJ-NJDS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Dental Medicine (D.M.D.) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and dental degrees in a seven-year sequence.

This program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study at UMDNJ. Qualified high school seniors and first-year students at Montclair State may apply; admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class, and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores must also be submitted.

A student accepted into this program is assured of a place in the dental school once he or she has successfully completed the requirements of the three-year program at Montclair State and submitted a satisfactory Dental Admissions Test (DAT) score.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the dental program.

The program of study at Montclair State requires the completion of pre-dental and Montclair State graduation requirements. A minimum grade of B in each of the science courses is required. Further, all Montclair State curriculum requirements for graduation must be completed, with a cumulative grade point average of 3.00 or better, in order to continue in the combined program.

Additional information about this program may be obtained from the chairperson of the Department of Biology and Molecular Biology at 973-655-4397.

Combined Bachelor of Science/Doctor of Medicine Degree Programs

Montclair State and the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Medicine (MD) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and medical degrees in a seven-year sequence. An eight-year joint program is also available for students enrolled in the Health Careers Program at Montclair State. Each student accepted into one of these two programs is assured of a place in the medical school upon successful completion of his or her program requirements at Montclair State.

Seven-Year Program

The Seven-Year Program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study in the Medical Education Program at UMDNJ-NJMS. Qualified high school seniors whose SAT combined verbal and mathematical scores are 1400 or higher in one test sitting may apply. Deadline for application is December 1. Admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade

point average, rank-in-class (first 10%), and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores of at least 1400 from a single test administration must also be submitted.

All students accepted into the Seven-Year Program must enroll in the Honors Program at Montclair State. Each selected student is assured of a place in the medical school once he or she has successfully completed the requirements of the program at Montclair State.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the medical program.

This program is available for qualified students who plan to major in one of the following at Montclair State: Biology, Molecular Biology, Computer Science, Mathematics, Chemistry, Biochemistry, Psychology or Anthropology. The program of study includes a minimum of one year of Biology, General Chemistry, Organic Chemistry and Physics. A minimum grade of B in each of the required science courses is required. Further, all Montclair State curriculum requirements for graduation, including the completion of requirements for an honors degree and degree program requirements for the respective majors, must be completed with a cumulative grade point average of 3.40 or better in order to continue in the combined program.

The deadline to submit applications for the Seven-Year Program is December 1.

For more information about the Seven-Year Program, contact the director of the Honors Program at 973-655-7374, or the chairperson of the Biology and Molecular Biology Department at 973-655-4397.

Eight-Year Program

The Eight-Year BS/MD Combined Program is an articulation agreement between the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) and Montclair State University's Health Careers Program, which results in the granting of a Baccalaureate degree from MSU and a Doctor of Medicine degree from UMDNJ-NJMS. While at MSU, students have four years of full-time study in an approved honors program, while receiving comprehensive support services and participating in summer and academic year enrichment activities. Upon successful completion of program requirements at MSU, students advance automatically to the New Jersey Medical School.

Admissions to the Eight Year BS/MD Combined Program is offered to high school seniors through the Health Careers Program who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics and who are planning to major in Biology, Biochemistry, Chemistry or Molecular Biology. Candidates are evaluated based on their high school grade point average (B or better), SAT scores (550-verbal, 550-math in a single test administration), rank-in-class (first ten percent) and letters of recommendation from high school teachers.

Standards to be met while at Montclair State University include: 3.20 or better grade point average; a minimum grade of "B" in science courses required for admissions to UMDNJ-NJMS (Biology - 8 credits, General Chemistry - 8 credits, Organic Chemistry - 6 credits and Physics - 8 credits); fulfill all requirements for the HCP Honors curriculum; and participate in summer study or independent research projects at NJMS.

The deadline to submit application for the Eight-Year BS/MD Combined Program is December 15th.

For more information about the Eight-Year BS/MD Combined Program, contact the Director of the Health Careers Program at 973-655-4415.

Center for Professional and Continuing Education

The Center for Professional and Continuing Education, under the auspices of the School of Graduate, Professional and Continuing Education, serves the immediate and long range education and training needs of business and industry, community organizations, governmental agencies, Montclair State University staff and faculty, and individual learners. The Center is a revenue-generating unit of the Institution providing quality non-credit and credit educational programs and public service activities available both on- and off-campus. Examples of services include the English as a second language program, which is offered to both full-time and part-time students and can be tailored to the needs of corporate clients. Professional certification in areas like allied health offer cost-effective and convenient career training. Professional development programs cover a wide variety of topics, including computer software applications, and continuing professional education for security and law enforcement providers. In addition, in conjunction with the Global Education Center, Continuing Education offers summer institutes for international visitors.

The Center's offices are located at 860 Valley Road and 10 Normal Ave. The main telephone number is 973-655-4353.

Experiential Education Courses and Programs

The Center for Community-Based Learning

The Center for Community-Based Learning was established in January 2001 to focus a major part of its teaching and research on critical service priorities identified by local communities. A distinguishing feature of the Center is the strength and integrity of its two Program, Cooperative Education and Service-Learning. Through these Programs, the Center offers students applied learning opportunities that foster personal and professional growth.

Within the University curriculum there are work-based and service-based courses designed to prepare students for professional and civic engagement. Arranged and monitored by faculty and staff, students go off-campus to experience applied learning in community settings, businesses, and not-for-profit organizations.

The Cooperative Education Program

Purpose

The Cooperative Education Program is designed to assist students explore career options and develop the professional skills and competencies needed for career success. The integration of a supervised internship into a course of study better prepares a student to make informed career choices and manage a career after graduation. Students enrolled in the Program have exposure to emerging technology and the culture of the workplace while also improving their ability to learn in a self-directed manner.

Eligibility

Application to the Program is limited to degree-seeking students from all majors who have earned 30 credits and a 2.00 grade point average or better. Students who transfer into MSU without a degree must have earned 9 credits at MSU prior to enrollment. Students who transfer into MSU with an associate or bachelor's degree do not need to have any credits earned at MSU to participate in the Program. Some affiliated academic departments have additional requirements which are described in each of the departmental co-op course descriptions.

Obtaining a Co-op Position

The Cooperative Education Program maintains a network of participating employers in business, laboratories, government and the social service sector. Students work with professional staff to prepare an application profile which is then submitted to potential employers, who then select candidates and make final hiring decisions.

A Supervised Learning Experience

The Cooperative Education Program affiliates with employing organizations that provide opportunities for learning. Every effort is made to structure the work experience to maximize student growth and development. Faculty and employment supervisors provide guidance and written feedback to the student during their co-op semester.

Course Credit

Within the undergraduate program, students may earn up to 16 credits from a combination of co-op courses over a period of three or four semesters. Credit is earned for each semester of participation, including the summer term. The number of credits earned ranges from 3 to 9, depending upon the duration of the internship and the academic department. Multiple internships may take place in a single setting or with different employing organizations.

A faculty advisor is assigned to each student after they enroll in a co-op course. The student and faculty advisor develop a Learning Agreement which forms the basis for the grade. During the co-op semester many faculty advisors require on-campus seminars to explore work-related challenges and emerging insights about career development issues.

Advance Planning for Enrollment

The Cooperative Education Program seeks to provide every eligible student with the maximum benefits of participation. Preparation workshops, counseling and an offer by an employer is required before enrollment in a co-op course. Permission to enroll in a co-op course is arranged by a professional staff member affiliated with the Program. Special arrangements have been made with the Office of the Registrar to accommodate course enrollment after the University-wide registration periods. Students are urged to apply to the Program at least four months before enrollment is desired in order to adequately prepare for employment interviews. A Policy and Procedures Handbook is provided to each applicant.

Location

The Cooperative Education Program is located in Morehead Hall, third floor, telephone: 973-655-4426, website: www.montclair.edu/co-op.

Cooperative Education Courses

		Semester Hours
COED	201 Cooperative Education Internship Seminar	1.0
COED	401 Cooperative Education-Experience I	3.0-8.0
COED	402 Cooperative Education-Experience II	3.0-8.0
COED	403 Cooperative Education-Experience III	3.0-8.0
COED	404 Cooperative Education-Experience IV	3.0-8.0
BEOS	230 Introduction to Business Work Experience	3.0-6.0
BIOL	409 Externship in Biological Research (Cooperative Education)	1.0-4.0
CMPT	499 Cooperative Education in Computer Science	3.0-8.0
ENWR	301 Cooperative Education (English)	4.0-8.0
FINC	491 Cooperative Education-Finance	3.0-8.0
FREN	380 Cooperative Education for the French Major	4.0-8.0
GERM	385 Cooperative Education for German Majors	4.0-8.0
GNHU	391 Cooperative Education for the Liberal Arts	4.0-8.0
INDS	460 Cooperative Industrial Internship	4.0-8.0
ITAL	385 Cooperative Education (Italian)	4.0-8.0
LSLW	498 Cooperative Education: Pre-law Studies	4.0-8.0
LSPR	498 Cooperative Education: Paralegal Studies	4.0 or 8.0
MKTG	399 Business Work Experience II	3.0-6.0
PCOM	391 Cooperative Education in Psychology	4.0-9.0
PEMJ	380 Internship in Physical Education	8.0
PEMJ	381 Cooperative Education in Physical Education	8.0
PERL	381 Cooperative Education in Recreation and Parks	4.0-8.0
PORT	385 Cooperative Education (Portuguese)	4.0-8.0
SOCI	390 Cooperative Education in Sociology	8.0
SPAN	385 Cooperative Education (Spanish)	4.0-8.0

The Service Learning Program

Purpose

Service-Learning is a way of teaching that integrates service to the community with academic course work. Reflection exercises are used to foster civic responsibility. Student learning is enhanced through first-hand experiences with issues of literacy, aging, the digital divide, adolescents at-risk, substance abuse prevention and peer mediation/conflict resolution.

Enrollment

Enrollment into the Service-Learning Program is open to undergraduate and graduate students. Courses are identified by a standard note "SL" in the Schedule of Courses booklet. Students can register for a designated service-learning course during the University-wide registration period.

Supervision

Every effort is made to structure the service-learning experience to maximize student growth and development. Faculty and community supervisors provide guidance and written feedback to students throughout their service-learning semester.

Location

The Service-Learning Program is located in Morehead Hall, third floor, telephone: 973-655-4363.

Department Sponsored Experiential Education Courses*

There are numerous courses offered through academic departments within the Colleges and Schools of the University.

To enroll in a department-sponsored course, a student should consult with her/his academic advisor and department chair.

**See specific department section of this catalog for a description of department-sponsored Experiential Education Courses*

College of Education and Human Services

		Semester Hours
HLTH	350 Field Study in Health	2.0-6.0
PEMJ	379 Internship in Athletic Training	4.0
PERL	271 Clinical Experiences in Therapeutic Recreation	1.0
PERL	285 Field Experience in Recreation and Parks	2.0-4.0
PERL	489 Internship	12.0
HECO	409 Internship in Home Economics	8.0-12.0
HEFD	252 Quantity Food Purchasing and Production	2.0
HENU	489 Externship in Food and Nutrition	2.0

College of Humanities and Social Sciences

		Semester Hours
ANTH	470 Archeological Field Methods	3.0-6.0
ANTH	490 Internship in Anthropology	3.0-6.0
HIST	443 Internship in History	3.0
LNGN	430 Field Methods (Linguistics)	3.0
LSLW	497 Pre-law Seminar and Internship	3.0
LSPR	497 Paralegal Seminar and Internship	3.0
LSPR	499 Selected Topics in Paralegal Studies	3.0
POLS	420 Seminar and Internship in Political Science	4.0
POLS	426 Seminar and Internship Public Administration I	4.0
POLS	306 Campaign Politics	3.0
PCOM	385 Advanced Community Psychology: Externship	3.0
PSYC	300 The Teaching of Psychology	3.0
SPAN	360 Hispanic Community Program	3.0
SPAN	481 Field Work - Hispanic Community I	3.0
SPAN	482 Field Work - Hispanic Community II	3.0
SPAN	483 Field Work - Hispanic Community III	3.0

College of Science and Mathematics

		Semester Hours
EUGS	463 Internship (Earth and Environmental Studies)	3.0-12.0

School of the Arts

		Semester Hours
BDCS	490 Internship: Broadcasting	4.0-16.0
DNCE	490 Internship in Dance	4.0-15.0
SPCM	490 Internship: Communication Studies	4.0-16.0
THTR	407 Internship: Design/Technical Theatre	4.0-12.0
THTR	490 Internship in Theatre	4.0-16.0
ARGS	441 Externship in Studio	2.0-8.0
ARGS	480 Field Trip in Studio	2.0-8.0
ARHM	460 Externship in Museum Studies	2.0-8.0
ARHS	480 Field Trip in Art History	2.0-6.0
MUTH	465 Internship in Music Therapy	1.0

School of Business

		Semester Hours
BEOS	330 Office Systems Administration Professional Work Experience Program	3.0-6.0
DIST	456 Honors Program-Executive Retail Training I	4.0
MGMT	392 Business Internship	1.0-3.0
MGMT	491 Small Business Institute	3.0
MKAD	392 International Business Internship	1.0-3.0
MKTG	348 Merchandise Information	3.0
MKTG	351 Supervised Work Experience and Seminar I	3.0
MKTG	399 Business Work Experience II	3.0-6.0
MKTG	451 Supervised Work Experience and Seminar II	3.0
MKTG	490 Marketing Internship	3.0
MKTG	491 Marketing Co-op	1.0-8.0

Courses of Instruction

COED 401

COOPERATIVE EDUCATION EXPERIENCE I

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

COED 402

COOPERATIVE EDUCATION EXPERIENCE II

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

COED 403

COOPERATIVE EDUCATION EXPERIENCE III

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

COED 404

COOPERATIVE EDUCATION EXPERIENCE IV

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

Health Careers Program

Director: Donna Lorenzo

The Health Careers Program (HCP), funded jointly by MSU and the NJ Educational Opportunity Fund, provides opportunities for highly motivated and academically capable students from financially and educationally groups underrepresented in the health professions and the sciences, to complete undergraduate studies at Montclair State University and compete for admission to health professions and graduate schools. During the Pre-Freshman Summer Program, HCP provides formal course work and comprehensive supportive services, such as tutoring, collaborative learning and recitation sessions, academic advisement, counseling, lectures, field trips and financial assistance. Upper-class HCP students participate in preceptorships, summer externships, research activities, and other field experiences.

Articulation Agreements and Partnerships

Eight-Year BS/MD Combined Articulation Program

The Eight-Year BS/MD Combined Program is an articulation agreement between the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) and the Health Careers Program at Montclair State University (MSU), which results in the granting of a Baccalaureate degree from MSU and a Doctor of Medicine degree from UMDNJ-NJMS. While at MSU, students complete four years of full-time study in an approved honors program, receive comprehensive support services and participate in summer and academic year enrichment activities. Upon successful completion of program requirements at MSU, students automatically advance to the medical school.

Eight-Year BS/DMD Combined Articulation Program

The Eight-Year BS/DMD Combined Program is an articulation agreement similar to the Eight-Year BS/MD Combined Program. The Eight Year BS/DMD combined agreement is between the University of Medicine and Dentistry of New Jersey-New Jersey Dental School (UMDNJ-NJDS) and the Health Careers Program at Montclair State University. A Baccalaureate degree from MSU and a Doctor of Dental Medicine in Dentistry degree from UMDNJ-NJDS is granted. Students commence the program by completing four years of full time study at MSU, majoring in biology, molecular biology, chemistry and/or biochemistry while participating in summer and academic year enrichment activities. Upon completion of program requirements at MSU, students automatically advance to the New Jersey Dental School.

Medical Academic Advancement Program (MAAP)

Montclair State University participates in the Medical Academic Advancement Program (MAAP) consortium with the University of Virginia School of Medicine. The purpose of the consortium is to increase the number of disadvantaged students who are accepted into the University of Virginia School of Medicine, and other medical schools. HCP students participate in an intensive six-week summer program enrolled in biology, chemistry, physics, quantitative relationships, reading and essay printing courses. These courses prepare students for the Medical College Aptitude Test (MCAT). Other benefits include clinical or research laboratory experiences, under the supervision of faculty mentors; lectures on clinical medicine and biomedical research topics, academic advisement and information about and assistance with the medical school application process.

For information regarding the Health Careers Program, the Combined Eight-Year BS/MD and BS/DMD Articulation Agreement, PHPE or MAAP, please call 973-655-4415 or visit the HCP Office located in Richardson Hall 368.

Honors Program

Director: Thomas E. Benediktsson

The Honors Program provides a core of academic excellence, stimulates a sense of community, and establishes a lively and creative force in support of the academic and intellectual interests of outstanding students. Participants share a core curriculum of interdisciplinary seminars which fulfill various components of the undergraduate general education requirements. Honors sections of regular courses may also be available to participants as well as to selected students who are not participants in the Honors Program itself.

Admission to the Honors Program as a freshman requires that the applicant meet two of the following criteria:

1. Rank in the top 10% of high school class.
2. A score of at least 600 on either the verbal or math SAT.
3. A combined SAT score of at least 1200.
4. An unusual ability in the creative arts or exceptional leadership or other extraordinary accomplishment.

Students interested in applying to the program must fill out an application form that includes a brief essay. Selected candidates may be interviewed by a member of the Honors Program Advisory Board as part of the admission process. The number of students in the program is limited. Completion of the program's requirements becomes a part of the student's official transcript. It is expected that students in the Honors Program will choose to be involved in existing honors programs within their major disciplines. Courses in the junior year are designed to facilitate this transition.

Required Courses

	Semester Hours
Freshman Year:	
HONP 100 Honors Seminar in Great Books and Ideas, Part I	3.0
HONP 101 Honors Seminar in Great Books and Ideas, Part II	3.0
HONP 102 Honors Seminar in Twentieth Century Civilization, Part I ..	3.0
HONP 103 Honors Seminar in Twentieth Century Civilization, Part II ..	3.0
Sophomore Year:	
HONP 210 Honors Seminar in Science I	4.0
HONP 211 Honors Seminar in Science II	3.0
Note: Students with required science courses in their majors may waive one or both of the Honors Seminars in Science	

Honors Electives

Select two; students waiving one or both Science courses choose respectively 3 or 4 electives:

HONP 104 Honors Seminar in Fractals and Infinity	3.0
HONP 112 Honors Seminar in Computing	3.0
HONP 201 Honors Seminar in Creative Process	3.0
HONP 202 Honors Seminar in Social Analysis	3.0
HONP 301 Honors Seminar in Ways of Knowing	3.0
HONP 302 Honors Seminar in Research Methods	3.0

Courses of Instruction

HONP 100
HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART I 3.0
Focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. Meets Gen Ed 2002-Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)-Communication, Writing, Reading.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 101
HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART II 3.0
Continues to focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. Meets Gen Ed 2002-Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)-Communication, Writing, Reading.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 102
HONORS SEMINAR IN 20TH CENTURY CIVILIZATION, PART I 3.0
Focus on important political, economic, and technological events of the twentieth century, and their implications for the individual and the society. Meets Gen Ed 2002-Social Science, American or European history. Meets the 1983 General Education Requirement (GER)-Contemporary Issues.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 103
HONORS SEMINAR IN 20TH CENTURY CIVILIZATION, PART II 3.0
Continues to focus on important political, economic, and technological events of the twentieth century, and their implications for the individual and the society. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 104
FRACTALS AND INFINITY 3.0
A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Meets the 1983 General Education Requirement (GER)-MATHEMATICS, Mathematics. Cross listed with Mathematical Sciences, MATH 104.
Prerequisite: Satisfactory completion of the mathematics portion of the Montclair State University Basic Skills Placement Test (MSU-BSPT). For Honors Program students only or by permission of instructor.

HONP 112
HONORS SEMINAR IN COMPUTING 3.0
Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word-processing, spreadsheets, data bases, and communications. Cross listed with Computer Science, CMPT 112. Meets the 1983 General Education Requirement (GER)-Mathematics, Computer Science.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 201
HONORS SEMINAR IN THE FOUNDATIONS OF THE CREATIVE PROCESS 3.0
This course is designed for second-year honors program students. It makes no assumptions that they have a background in the creative arts. This course will acquaint them with the language and process of the creative arts from both an historical and contemporary perspective. Meets the 1983 General Education Requirement (GER)-Fine and Performing Arts: Art Appreciation.
Prerequisite: For Honors Programs students only or by permission of instructor.

HONP 202
HONORS SEMINAR ON SOCIAL ANALYSIS 3.0
Comparison of various social sciences in terms of theory, methodology and forms or analysis. A particular topic will be focused upon each semester. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 210
HONORS SEMINAR IN SCIENCE I 4.0
Interdisciplinary course in the natural and physical sciences consisting of seminars and laboratory experience. This is the first of a two-semester requirement for honors program students. Enrollment will be limited to MSU Honors Program students. Meets the 1983 General Education Requirement (GER)-Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: For Honors Program students only or permission of instructor.

HONP 211**HONORS SEMINAR IN SCIENCE II**

3.0

Interdisciplinary course in the natural and physical sciences consisting of seminars. This is the second of a two-semester requirement for honors program students. Enrollment will be limited to MSU Honors Program students. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science only.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 301**HONORS SEMINAR ON WAYS OF KNOWING**

3.0

An interdisciplinary perspective on the nature of knowledge, including philosophical definitions of knowledge, the historical interaction of science with philosophical views of knowledge, the social context of knowledge, and the influence of values on the nature and development of knowledge.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 302**HONORS SEMINAR ON METHODS OF SCHOLARSHIP AND RESEARCH**

3.0

The course will aim to familiarize students with the methods used in contemporary research in the humanities and the natural and social sciences. There are two goals which may provide a tension to the course: preparing students to embark on a major research project in their own discipline and making them sensitive to the issues in doing scholarship in other disciplines.

Prerequisite: For Honors Program students only or by permission of instructor.

New Jersey School of Conservation

COLLEGE OF SCIENCE AND MATHEMATICS

Director: William H. Thomas

Associate Director: Nicholas J. Smith-Sebasto

The New Jersey School of Conservation (NJSOC) is located on a 240-acre campus within the 15,000-acre Stokes State Forest in Sussex County, the most northwestern county in the state. Founded in 1949, the School was originally a Civilian Conservation Corps camp. East of the School is the main ridge of the Kittatinny Mountains, along which stretches the Appalachian Trail. To the West are the Delaware River and the Pocono Mountains. The campus surrounds 12-acre Lake Wapalanne. It has sleeping facilities for up to 285 and family-style dining in two dining halls for up to 312. Meals are prepared on-site by highly-trained kitchen staff. The campus also includes a barrier-free residence lodge. A fully equipped infirmary staffed by a registered nurse, who lives on-site, handles medical needs. Two boat docks with rowboats and canoes, an archery range, extensive hiking trails, a renovated cabin built in 1860, a carriage house built in 1813, an observatory with a six inch diameter telescope, and a library are special features of the campus. Through its varied programs in environmental sciences, humanities, outdoor pursuits, and social sciences, the School aims to develop in learners ecological literacy that will permit them to understand Earth's life support systems, the human dimensions of environmental problems and issues, and the skills necessary to adopt the sustained performance of environmentally responsible behaviors.

The activities and facilities at the NJSOC are designed to accommodate both long- and short-term learning experiences. These vary from 4-day/3-night, 3-day/2-night, 2-day/1-night programs to day experiences for nearly 9,000 elementary and middle students from nearly 100 schools from New Jersey and surrounding states. Each program is designed to meet the specific needs of the participating school group. Instruction is provided by a skillful coordination of collaborative teaching by faculty and graduate teaching assistants of the School of conservation and teachers from the participating schools. The programs offered have been cross-referenced with the New Jersey Core Curriculum Content Standards and meet many of them. Many teachers find they can meet more Standards by participating in programs offered by the School of Conservation than they can with classroom instruction. Inservice training for teachers, including weekend workshops, and undergraduate and graduate courses are also offered.

Courses of Instruction

CNFS 460**PRACTICUM IN ENVIRONMENTAL EDUCATION**

3.0

This course is designed to provide future teachers and supervisors with a background of experience and knowledge which will enable them to organize and conduct environmental education programs. Using an extensive library of environmental education materials, students formulate teaching units, lists of teaching aids, and projects suitable for use in environmental programs. Participating in environmental programs with school children in residence at the School of Conservation furnishes a practical background for environmental education development.

CNFS 495**WORKSHOP ON UTILIZING NATURAL ENVIRONMENTS**

1.0

To provide classroom teachers in all disciplines with experiences in using the natural environment to supplement classroom experiences. Opportunity for teachers to increase their knowledge of as well as skills in the techniques of incorporating the physical, biological, and socio-cultural components of the environment in their curricula will be emphasized through the use of small group lecture sessions held in the natural environment being described. Students are provided with the opportunity of administering and experimenting in each of four such environments out of a choice ranging from 15 to 20 specific subject areas.

CNFS 496

FIELD STUDY IN HUMANITIES AND NATURAL SCIENCE 1.0

Provides teachers in varied and diversified subject areas with an understanding of how the humanities and sciences may be taught in natural environments for the purpose of developing an environmental sensitivity.

CNFS 497

FIELD STUDIES IN SOCIAL STUDIES AND OUTDOOR RECREATION 1.0

Provides an understanding of how outdoor pursuits and social studies may be taught using natural environments to develop environmental sensitivity. Does not meet resident requirement.

Special Education

Although there is no department of Special Education at Montclair State, there are several undergraduate and a number of graduate programs which offer preparation for a variety of special education professions. Programs are in the College of Education and Human Services, College of Humanities and Social Sciences, and School of the Arts. Certification as Teacher of the Handicapped is offered at the graduate level through the Department of Curriculum and Teaching in the College of Education and Human Services. The Psychoeducational Center, which is located on campus, provides practical clinical experiences for students in these various programs. Programs in early childhood and elementary education prepare teachers to work in inclusive settings.

Information about the following programs may be found in this catalog: Communication Sciences and Disorders, Music Therapy, Therapeutic Recreation.



Teacher Education Program

CENTER OF PEDAGOGY

Director, Center of Pedagogy: Cynthia Onore

Certification Officer: Cynthia Onore

Montclair State's Teacher Education Program includes a number of distinctive features, including a network of partner schools which provide urban and suburban settings for students to complete their field experiences and a programmatic emphasis on teaching for critical thinking. Professional development schools have been created from within the New Jersey Network for Educational Renewal. The Teacher Education Program was awarded the Christa McAuliffe Showcase for Excellence award by the American Association of State Colleges and Universities for its collaboration with public schools and is one of the programs selected from across the nation to become a member of The Center for Educational Renewal at the University of Washington, as well as The National Network for Educational Renewal founded by John Goodlad. The Teacher Education Program at MSU received the 2002 Best Practices Award in Support of Diversity from the American Association of Colleges for Teacher Education. The program at MSU is also a member of the nationally recognized Holmes Partnership, a consortium of universities dedicated to the improvement of public schools and teacher education. The commitment of the faculty in the Teacher Education Program is to the enculturation of students into a political and social democracy, the moral dimensions of teaching, as well as competence and knowledge both in pedagogy and the content to be taught. The program is considered a national model for other colleges and universities.

The Teacher Education Program at Montclair State reflects a balance between a liberal education and professional preparation. The program which is coordinated by the Director of the Center of Pedagogy, combines general education, subject-matter (major) specialization and professional preparation. The professional component addresses four broad areas: the curriculum, student development and learning, the classroom and the school, and effective teaching practices. Special emphasis is placed upon the research findings related to effective teaching. All Teacher Education candidates must complete a field experience in an urban school as part of the program. The specific objectives of the program are described in the *Teacher Education Handbook*, which may be obtained in the Center of Pedagogy. The requirements for teacher certification are subject to changes in state regulations and college policy. Such changes will be publicized; however, students must regularly consult with departmental advisors and the most current edition of the *Teacher Education Handbook* to stay aware of recent developments.

The Teacher Education Program provides a sequence of professional courses and field experiences leading to teacher certification upon passing the required standardized test assessment (Praxis Series), while the student majors in a particular field of interest. Field experiences are collaboratively coordinated by Montclair State and the New Jersey Network for Educational Renewal, a partnership with over 20 local school districts. The graduate is recommended for certification to teach in all New Jersey public schools and is legally qualified to apply for certification in other member states of the Interstate Certification Compact. Please note that United States citizenship is required for standard New Jersey teacher certification.

A. General Education

Students interested in teacher certification complete the same general education program as other students at Montclair State. It should be noted, however, that certain courses meet both general education and teacher education requirements. These are noted in the section on the professional sequence below, and are recommended if you wish to complete your program with the minimum number of semester hours.

B. Special Requirements

Students who intend to prepare for teaching should fulfill the following special requirements prior to formal admission to the certification program:

Human and Intercultural Relations Requirement

This requirement focuses on social interaction, intergroup relations, and the cultural contributions of minority groups in the society. A course must be selected from the following list. All of these courses also fulfill the Multicultural Awareness Requirement. Certain courses listed below may simultaneously be used to meet General Education Requirements, if they are included in the *General Education Requirement Appendix of Courses*.

Anthropology

ANTH 110 Anthropology of Multicultural America

ANTH 210 Urban Anthropology

Curriculum and Teaching

CURR 423 Teaching in Urban Schools

Earth and Environmental Studies

EUGS 213 Urban Geography

Economics

ECON 215 The Economics of Social Problems

Educational Foundations

EDFD 445 Puerto Rican Children in Mainland Schools

English

ENGL 238 Black Writers in the United States: A Survey

History

HIST 217 History of Black Americans

Human Ecology

HEFM 445 The Inner City Family

Literacy and Educational Media

MEDI 355 Media in Intercultural Communication

READ 410 Children's Literature for a Multicultural Society

Management

MGMT 332 Minorities in Business

Political Science

POLS 308 Ethnic Politics in America

POLS 312 Black Politics in America

Psychology

PSYC 246 Psychology of the Black Experience

Sociology

SOCI 202 Racial and Ethnic Relations

SOCI 205 Black Family

SOCI 311 Urban Sociology

Spanish /Italian

SPAN 360 Hispanic Community Program

Examination in Physiology and Hygiene—This requirement may be satisfied by presenting college study in such areas as biology, personal health problems, community health, school health, family health, health counseling, nutrition or health administration or by taking an examination administered by the State Department of Education. A list of courses which satisfy this requirement is on the bulletin board outside Chapin 103.

C. Admission to Teacher Education

All students who intend to prepare for teaching must make formal application for admission to the teacher preparation program. It is recommended that students apply at the beginning of the second semester of the sophomore year. Application forms may be obtained by interested students from the Teacher Education Admission Office, Room 103, Chapin Hall. The application will be screened by a faculty committee, interviews conducted, and only those applicants who meet the admission criteria will be accepted.

It is important that a student make the decision to apply for admission to the program (admission to the university, or to a major, is not admission to the Teacher Education Program) as soon as possible. If application is made later than the end of the sophomore year, there may be some difficulty in completing the professional sequence in four years.

The criteria for admission are:

1. Cumulative overall average of at least 2.75 and a cumulative average of 2.50 with no failing grades in the major or in courses in the professional sequence. (Some departments require a higher major average. Consult your advisor for information.) In addition, applicants must have satisfied University "Basic Skills" requirements. Students with cumulative averages of 2.50-2.74 may apply to the Program under the Supplemental Admissions Process.
2. Successful completion of prerequisite courses: PSYC 101 *General Psychology*, SPCM 101 *Fundamentals of Speech*; CURR 200 *Initial Field Experience*; PSYC 200 *Educational Psychology*; plus 9-12 semester hours of major courses.

- Three recommendations, at least two from faculty members who know the applicant. One may be a former high school teacher who knows the applicant.
- Two writing samples, one of which is impromptu.
- Evidence of active interest in community affairs and teaching.
- A successful interview by a screening committee with representatives from the College of Education and Human Services and the student's teaching field or major. The interviewers' assessment of the candidate will be made using the "Portrait of a Teacher" as a guide (see below).
- An audition or portfolio review is required of music and art students respectively.

When a student is notified of admission to the program, advisors from the professional-education sequence and the major will be assigned who will help the student plan the sequence properly. Further information regarding the process of admission to teacher education can be secured from the Teacher Education Admissions Office, Chapin Hall 103.

D. Retention in Good Standing in Teacher Education

Upon admission to the Program, student performance is reviewed periodically prior to, and after student teaching, measured against the goals of the Portrait of a Teacher. For specific criteria for retention in the Program, see the most current edition of the Teacher Education Handbook. **These criteria include the requirement that students have an overall cumulative grade point average of 2.75 prior to student teaching and before they can be recommended for certification.**

E. Portrait of a Teacher

In selecting students for the Teacher Education Program, Montclair State University uses criteria which are related to the kinds of knowledge, abilities, dispositions and character we expect graduates of our Program to possess. The "Portrait of a Teacher" outlined below is a model toward which students in the Program strive. In making decisions on acceptance to the Program, faculty consider such criteria as GPA, knowledge of content of major area of study, commitment to teaching and its varied responsibilities and communication abilities, both written and oral. These criteria enable faculty to assess the likelihood that candidates will achieve the goals inherent in the "Portrait of a Teacher."

The Montclair State University community is committed to the continuing development of teachers who exemplify the character, dispositions and habits of mind reflected in this portrait. They:

- continue to inquire into the nature of teaching and learning and reflect upon their own professional practice.
- believe in the educability of all children and seek to ensure equal learning opportunities for every student.
- possess the literacy, critical thinking and technology abilities associated with the concept of an educated person and are committed to lifelong learning. They speak and write English fluently and communicate clearly.
- have content knowledge which includes a strong sense of the concepts, purposes and intellectual processes associated with the discipline they will teach.
- understand the effects of human development on the learning of children, adolescents and adults and are committed to providing a nurturing and caring environment for all students.
- possess the skills and dispositions necessary to establish a classroom environment that stimulates critical thinking and inquiry.
- understand principles of democracy and plan instruction to promote critical reflection on the ideals, values and practices of democratic citizenship.
- understand and are committed to the moral, ethical and enculturating responsibilities of those who work in the school.
- model respect for individual differences and an appreciation of the basic worth of each individual. They plan instruction and assessment with sensitivity to issues of class, gender, race, ethnicity, sexual orientation, age and special needs, and work to foster an appreciation of diversity among students and co-workers.
- are committed to their role as a stewards of renewal and best practice in the schools and they possess the interpersonal skills and dispositions to work cooperatively and collaboratively with colleagues.
- are willing to explore a career in a variety of settings—urban, suburban and rural.

F. Professional Sequence for Teacher Certification

Five semesters including the semester of acceptance are required to complete the professional sequence. This is the general pattern for teacher certification programs. Some require additional methods courses. You are encouraged to consult a departmental advisor early in your program.

Please note: CURR 200 *Initial Field Experience* and courses in the professional sequence that are listed below under **JUNIOR OR SENIOR YEAR**, must be taken at Montclair State University.

FRESHMAN YEAR

Semester Hours

PSYC 101	General Psychology I: Growth and Development	3.0
	(Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)	

SOPHOMORE YEAR

CURR 200	Initial Field Experience	1.0
PSYC 200	Educational Psychology	3.0
	(Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course. It is pending approval to meet Gen Ed 2002.)	

(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)

JUNIOR OR SENIOR YEAR

The following courses should be taken after admission to the Program and before the Professional Semester:

EDFD 220	Philosophical Orientation to Education	3.0
	(Meets the 1983 General Education Requirement (GER)—Philosophy/Religion. Meets the Gen Ed 2002—Philosophy or Religion.)	
CURR 400	Teacher, School and Society	3.0
	A course in teaching reading (consult advisor)	3.0
CURR 409	Teaching for Critical Thinking	
OR		
EDFD 409	Teaching for Critical Thinking	
OR		
READ 409	Teaching for Critical Thinking	3.0
	Departmental Methods Course	3.0-4.0
CURR 410	Intermediate Field Experience in Education	1.0
	(Generally taken the semester before student teaching.)	

SENIOR YEAR

	Professional Semester Package including student teaching	12.0-13.0
CURR 435	Effective Teaching/Productive Learning	3.0
CURR 402	Seminar in Professional Education	1.0
	Departmental Seminar (if required)	1.0
CURR 411	Supervised Student Teaching	8.0

Note: You are urged to consult frequently with a departmental advisor, the Center of Pedagogy or the Department of Curriculum and Teaching.

G. New Jersey Teacher Test Requirement

The New Jersey State Board of Education requires candidates for instructional certificates to take sections of The Praxis II series of tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in Room 103, Chapin Hall. Students are urged to take the required Praxis test as soon as they become eligible to do so, i.e. after they have achieved senior status (90 s.h.), and must have their scores sent to the University, as well as to the New Jersey Department of Education, prior to the professional (student teaching) semester.

Graduate and Special Programs

- Certification Program (Post-Baccalaureate)—A program leading to a New Jersey teaching certificate for holders of a bachelor's degree who do not wish to enter a graduate degree program.
- Master of Arts in Teaching—Designed for liberal arts graduates who seek certification as teachers.
- The Master of Education degree—Designed for the teacher who wishes to upgrade classroom knowledge and skills.

NOTE: Consult the graduate catalog for information.

APPENDIX OF SCHOLARSHIPS AND AWARDS

Accounting, Law and Taxation

ACCOUNTING SCHOLARSHIP

Amount: Varies
 Criteria: Junior or senior accounting majors with high academic achievement and financial need.
 Contact: Chairperson, Accounting, Law and Taxation

KATHE BRODT MEMORIAL SCHOLARSHIP

Amount: \$1,000
 Criteria: Concentration in accounting, 90 credits completed toward the baccalaureate degree, registered for full-time study (at least 12 semester hours each term during the year of grant), academic achievement and financial need.
 Contact: Chairperson, Accounting, Law and Taxation

GARY L. PALUMBO SCHOLARSHIP

Amount: Varies
 Criteria: Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.
 Contact: Dean, School of Business

African-American Studies

AFRICAN-AMERICAN STUDIES SCHOLARSHIP

Amount: Varies
 Criteria: Students minoring in African-American Studies.
 Contact: Director, African-American Studies

Art and Design

ANNE CHAPMAN SCHOLARSHIP

Amount: Varies
 Criteria: Full-time students majoring in art and design. Minimum GPA of 3.0; financial need will be considered.
 Contact: Chairperson, Art and Design

F. PAUL SHIELDS FUND

Amount: Varies
 Criteria: The scholarship will be awarded to a full-time student in the Master's of Fine Arts program at MSU. The award is based on academic achievement and the student must maintain a minimum GPA of 3.2. Must also provide evidence of demonstrated leadership and participation in extra-curricular activities at MSU.
 Contact: Chairperson, Art and Design.

Biology and Molecular Biology

CHARLES HADLEY MEMORIAL FUND FOR INDEPENDENT STUDENT RESEARCH

Amount: Up to \$275
 Criteria: Students who have displayed excellence of work and need for financial assistance to complete their research and independent student projects in biology.
 Contact: Chairperson, Biology and Molecular Biology

JACOB GOODMAN SCHOLARSHIP

Amount: Varies
 Criteria: Matriculated, full-time student enrolled in the Biology and Molecular Biology Department. Based on academic achievement. Recipient must have at least 90 credits towards an undergraduate degree.
 Contact: Chairperson, Biology and Molecular Biology

VIOLA WHITNEY PFLEGER FUND

Amount: \$500
 Criteria: Students of horticulture recommended by chairperson of Biology and Molecular Biology or designee.
 Contact: Chairperson, Biology and Molecular Biology

DR. AL STEIN MEMORIAL AWARD

Amount: Varies
 Criteria: Full-time students majoring in a program within the Biology and Molecular Biology Department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.
 Contact: Chairperson, Biology and Molecular Biology

Broadcasting

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies
 Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.
 Contact: Chairperson, Broadcasting

MARY LOZADA SCHOLARSHIP

Amount: \$500
 Criteria: Recipient must be full-time undergraduate Broadcasting major at MSU accepted to a University sponsored study abroad program and is enrolled in at least one broadcasting course. Must be in good academic standing and have completed at least two semesters of study at MSU.
 Contact: Chairperson, Broadcasting

JOHN D. SHARKEY SCHOLARSHIP

Amount: Varies
 Criteria: Full-time junior or senior broadcasting major with a minimum cumulative GPA of 3.2.
 Contact: Chairperson, Broadcasting

Business Administration

RAFFAELA BASILE MEMORIAL SCHOLARSHIP

Amount: Up to \$500
 Criteria: Upcoming junior or senior in the School of Business, service to Montclair State, favorable academic standing, and financial need.
 Contact: Dean, School of Business

MICHAEL AND GERTRUDE HANCOUSKI FUND

Amount: Varies
 Criteria: Full-time undergraduates matriculating within the School of Business.
 Contact: Dean, School of Business

THE BOBBY HUGHES MEMORIAL SCHOLARSHIP FUND

Amount: Varies
 Criteria: Recipients must be full-time undergraduate male students enrolled in the School of Business. Must maintain a GPA of 3.2 and demonstrate financial need.
 Contact: Dean, School of Business

THE LARAJA FOUNDATION SCHOLARSHIP

Amount: \$1,500
 Criteria: Full-time undergraduates majoring in one of the fields of business offered through the School of Business with a 3.0 GPA.
 Contact: Dean, School of Business

JAMES McGOVERN SCHOLARSHIP

Amount: \$250
 Criteria: Full-time student who will be enrolled as a senior year student in the following fall semester, majoring in a program offered through the School of Business.
 Contact: Dean, School of Business

NORTH JERSEY REGIONAL DEVELOPMENT COUNCIL AWARD

Amount: Two-\$500 awards
 Criteria: Incoming or currently enrolled students in an undergraduate program taking business courses which will help them in the world of business. Students must show need of financial assistance and be residents of Passaic County.
 Contact: Dean, School of Business

GARY L. PALUMBO SCHOLARSHIP

Amount: Varies
 Criteria: Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.
 Contact: Dean, School of Business

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER AUNT, ANNA PEINS MILLER

Amount: Varies
 Criteria: Female undergraduate matriculating within the School of Business whose educational goal is to prepare for a career in the business world. Must demonstrate favorable academic achievement, participation in campus and/or community activities, exhibits personal growth and potential for professional success.
 Contact: Dean, School of Business

SOVEREL BOOK AWARD

Amount: \$200

Criteria: Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.

Contact: Dean, School of Business

TWIN MANAGEMENT FORUM SCHOLARSHIP

Amount: \$1,000

Criteria: Female undergraduate with minimum 3.0 cumulative GPA whose educational goal is to prepare for a career in business or industry. Applicants must complete NJ Financial Aid Form.

Contact: Dean, School of Business

Chemistry and Biochemistry**THE GAWLEY/BECKER SCIENCE EDUCATION AWARD**

Amount: Varies

Criteria: Final semester student must complete comprehensive science requirements to be determined by Chemistry and Biochemistry department chair and faculty.

Contact: Chairperson, Chemistry and Biochemistry

RALPH R. MIANO SCHOLARSHIP

Amount: \$1,000

Criteria: Full time undergraduate majoring in chemistry, enrolled in a program which will qualify the student for NJ teacher certification, who will achieve senior standing in the Fall semester in which the scholarship is awarded.

Contact: Chairperson, Chemistry and Biochemistry

NANCY SANDELIN PAISLEY AWARD

Amount: \$100

Criteria: Undergraduate in the Foods and Nutrition Program who has completed both Fundamentals of Biochemistry and has high overall academic achievement, good character and potential to contribute to profession.

Contact: Chairperson, Chemistry and Biochemistry or Human Ecology

GEORGE PLACEK AWARD

Amount: Varies

Criteria: Most outstanding sophomore scholar in Chemistry classes.

Contact: Chairperson, Chemistry and Biochemistry

MARGARET AND HERMAN SOKOL FRESHMAN CHEMISTRY SCHOLARSHIP

Amount: \$1,000

Criteria: Incoming freshmen chemistry majors recommended by their high school principals and/or high school chemistry teachers.

Contact: Chairperson, Chemistry and Biochemistry

MARGARET AND HERMAN SOKOL FELLOWSHIP IN SCIENCE

Amount: \$10,000

Criteria: Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must exhibit academic excellence and potential for success in doctoral studies and research.

Contact: Dean, College of Science and Mathematics

Child Care**JEAN M. ARMSTRONG SCHOLARSHIP**

Amount: Varies

Criteria: Matriculated students or employees of Montclair State who have children enrolled in the Montclair State Child Care Center.

Contact: Director, MSU Child Care Center

PARENT/CHILD SCHOLARSHIP

Amount: Varies

Criteria: Matriculated students who have children enrolled in the MSU Child Care Center, volunteer at the center and demonstrate financial need.

Contact: Director, MSU Child Care Center

Classics and General Humanities**DORIS KIBBE SCHOLARSHIP**

Amount: Varies

Criteria: Student pursuing work in Latin or the Classics, minimum GPA of 3.0

Contact: Chairperson, Classics and General Humanities

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS

Amount: Varies

Criteria: Full-time, undergraduate junior or senior classics major with a minor in Latin. A minimum grade point average of 3.2 with a grade point average of 3.5 in at least two Latin courses who does not qualify for financial aid.

Contact: Chairperson, Classics and General Humanities

College of Education and Human Services**BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD**

Amount: \$500

Criteria: Student who plans to enter teaching field. Must demonstrate evidence of leadership, financial need, and involvement in campus/community activities. Minimum 3.0 GPA. Awarded to a sophomore and a junior. Priority given to Bergen County resident.

Contact: Center of Pedagogy, Office of Teacher Education

BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD

Amount: \$500

Criteria: Full-time sophomore and junior with minimum cumulative GPAs of 3.0. Must exhibit the potential to be teachers. Preference given to Bergen County, NJ, residents.

Contact: Dean, College of Education and Human Services

WILLIAM A. CUFF MEMORIAL AWARD

Amount: \$500

Criteria: Student entering the teaching profession.

Contact: Center of Pedagogy, Office of Teacher Education

THE J. THOMAS FLAGG OUTSTANDING STUDENT TEACHER AWARD

Amount: \$100

Criteria: Candidates are identified as exemplary student teachers by school- or university-based faculty.

Contact: Center of Pedagogy, Office of Teacher Education

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: Varies

Criteria: M.Ed. or M.A.T. students who possess a strong GPA. Must provide statement of goals and letter of recommendation

Contact: Center of Pedagogy, Office of Teacher Education

RUTH LEWIN ENDOWMENT FUND

Amount: \$500-1,000

Criteria: Student in Teacher Education Program who demonstrates financial need.

Contact: Center of Pedagogy, Office of Teacher Education

NICHOLAS AND SUSAN MICHELLI MEMORIAL AWARD

Amount: \$500

Criteria: Student who demonstrates a commitment to a career in urban education.

Contact: Center of Pedagogy, Office of Teacher Education.

ALLAN AND MARGUERITE D. MOREHEAD SCHOLARSHIP

Amount: Varies

Criteria: Full-time teacher education student from the inner city or a student committed to teaching in the inner city.

Contact: Center of Pedagogy, Office of Teacher Education

TEACHERS CLUB OF MONTCLAIR AWARD FOR SCHOLARSHIP

Amount: \$1,000

Criteria: Juniors admitted to the Teacher Education Program. Based on merit.

Contact: Center of Pedagogy, Office of Teacher Education

THE ERCELL I. WATSON MEMORIAL FUND

Amount: \$100

Criteria: Educator who is matriculated in or a graduate of a master's degree program in the College of Education and Human Services.

Contact: Center of Pedagogy, Office of Teacher Education

College of Humanities and Social Sciences**JANET HOLT SCHOLARSHIP**

Amount: \$1,000

Criteria: Full-time undergraduate majoring in a field of study within the College of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.

Contact: Chairperson, Philosophy and Religion

College of Science and Mathematics

MARGARET AND HERMAN SOKOL TRAVEL AWARD FOR INTERNATIONAL GRADUATE STUDY/RESEARCH

Amount: \$5,000 (\$2,500 per semester)

Criteria: Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.

Contact: Dean, College of Science and Mathematics

Communication Sciences and Disorders

MARYANN PEINS SCHOLARSHIP

Amount: Varies

Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.

Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP

Amount: \$250

Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.

Contact: Chairperson, Communication Sciences and Disorders

Communication Studies

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies

Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.

Contact: Chairperson, Communication Studies

Community Service

GEORGE G. KING MEMORIAL AWARD

Amount: \$100

Criteria: Outstanding contribution in community service, i.e., through community agencies.

Contact: Dean, College of Education and Human Services

Cooperative Education

PRUDENTIAL CO-OP SCHOLARSHIP

Amount: \$500

Criteria: Cooperative Education students who exhibit exceptional professional and personal growth. Nomination, essay and interview required.

Contact: Director, Cooperative Education

Economics and Finance

ARYEH BLUMBERG AWARD

Amount: \$100

Criteria: Finance major who wins the Wall Street Journal Award for the best academic performance in finance.

Contact: Chairperson, Economics and Finance

J. S. GANG SCHOLARSHIP

Amount: Varies

Criteria: Outstanding economics or political science students who will remain at Montclair State for upper division work. Must show high academic achievement and financial need.

Contact: Chairperson, Economics and Finance

HONIG TEXTBOOK SCHOLARSHIP

Amount: Varies

Criteria: Outstanding students enrolled in the Department of Economics and Finance.

Contact: Chairperson, Economics and Finance

English

MARY BONDON SCHOLARSHIP AWARD

Amount: \$1,500

Criteria: Graduate student pursuing a teaching career in English Literature.

Contact: Chairperson, English

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Graduate student pursuing an American literature or creative writing degree. Selection based on value of thesis proposal and financial need.

Contact: Chairperson, English

W. BERNARD FLEISCHMAN MEMORIAL FUND

Amount: \$100

Criteria: Undergraduate majoring in English who demonstrates excellence in the humanities.

Contact: Chairperson, English

SHARI KANDELL MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Recipient must be a part-time undergraduate female English major. Must maintain a 3.0 GPA and demonstrate financial need.

Contact: Chairperson, English

ANTHONY L. LOVASCO MEMORIAL FUND

Amount: \$100

Criteria: Outstanding students in the field of Shakespearean studies.

Contact: Chairperson, English

MOE MCGEE SCHOLARSHIP

Amount: Full tuition and fees for two semesters

Criteria: Full-time undergraduate English majors with a minimum cumulative GPA of 3.0

Contact: Chairperson, English

MURRAY PROSKY AWARD

Amount: \$100

Criteria: Award is based on the submission of a paper in Irish literature to the English Department

Contact: Chairperson, English

BESSIE SASLAW SOLOMON MEMORIAL SCHOLARSHIP

Amount: \$300

Criteria: English major who demonstrates a commitment to scholarship and community service with particular consideration given to students interested in teaching.

Contact: Chairperson, English

MIRIAM R. TAUB ENGLISH SCHOLARSHIP

Amount: \$1,000

Criteria: Full-time undergraduate women students majoring in English with a 3.25 cumulative GPA.

Contact: Chairperson, English

Film Studies

TOMLINSON/MERANZE FILM STUDIES AWARD

Amount: \$100

Criteria: Graduating student minoring in film who has the highest GPA in film courses.

Contact: Chairperson, English and Director, Film Studies

French

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY

Amount: \$1,000

Criteria: Students who possess financial need and demonstrate merit.

Contact: Chairperson, French

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP

Amount: 28,000 Austrian Schillings (about \$1,700), plus room, health insurance and 20-day pass on Austrian National Railway.

Criteria: Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.

Contact: Chairperson, French. Apply during early spring semester.

Geography

BERTRAND BOUCHER SCHOLARSHIP FUND

Amount: Varies

Criteria: Student majoring in environmental, urban and geographic studies.

Contact: Chairperson, Earth and Environmental Studies

MILSTEAD AWARD FOR EXCELLENCE IN GEOGRAPHY

Amount: Approximately \$150

Criteria: Junior majoring in environmental, urban and geographic studies who is in high academic standing and shows promise as a professional geographer.

Contact: Chairperson, Earth and Environmental Studies

Graduate Studies**DR. HARRY BALFE II SENIOR AWARD**

Amount: Varies

Criteria: Graduating senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.

Contact: Chairperson, Legal Studies

HAROLD C. BOHN FELLOWSHIP

Amount: Varies

Criteria: Senior who shows promise in any academic discipline and presents a bonafide plan for graduate study.

Contact: Dean of Students

MARY BONDON SCHOLARSHIP AWARD

Amount: \$1,500

Criteria: Qualified English graduate student pursuing a teaching career in English literature.

Contact: Chairperson, English

JOHN AND ROSE CALI SCHOLARSHIP FOR THE ARTS

Amount: Varies

Criteria: Perspective or currently enrolled full-time or part-time undergraduate or graduate students enrolled in the School of the Arts. Must have a minimum GPA of 2.5.

Contact: Dean, School of the Arts

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Montclair State graduate pursuing a graduate degree in American literature or creative writing at the institution. Selection based on value of thesis proposal and financial need.

Contact: Chairperson, English

WILLIAM P. DIOGUARDI FELLOWSHIP

Amount: Varies

Criteria: Graduating senior with a minimum cumulative GPA of 2.8 who has competed in intercollegiate athletics as a member of a varsity team and has been accepted into a post-baccalaureate degree program.

Contact: Director of Athletics

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY

Amount: \$1,000

Criteria: Students who show financial need and demonstrate merit.

Contact: Chairperson, French

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies

Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Communication Studies or Dance and Theatre, minimum GPA of 3.0 in major courses.

Contact: Chairperson, Communication Studies or Theatre and Dance

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: Varies

Criteria: Matriculated graduate student currently teaching or preparing to teach who is enrolled in the M.Ed. or MAT degree program at MSU.

Contact: Dean, College of Education and Human Services

DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN THEATRE

Amount: \$100

Criteria: Theatre graduate or undergraduate with a minimum GPA of 3.0 in theatre courses. Must exhibit performance quality, professional potential and evidence of continued development.

Contact: Chairperson, Theatre and Dance

MIANO GRADUATE SPECIAL EDUCATION SCHOLARSHIP

Amount: \$1,000

Criteria: Graduate student enrolled in a program leading to work with children who have Pervasive Developmental Disorders. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.

Contact: Director, Psychoeducational Center

JAMES AND ELIZABETH MILLARD SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated full-time undergraduate or graduate students in good academic standing who have come from the West Indies to study at MSU. Financial need will be a consideration in the awarding of this scholarship. Preference will be given to students majoring in Broadcasting.

Contact: Director, International Student Services

DONALD AND JUDITH MILLER SCHOLARSHIP FOR FINE ARTS

Amount: Varies

Criteria: Perspective or currently enrolled full-time undergraduate or graduate African American and Latino students enrolled in the Art and Design department of the School of the Arts. Must have minimum cumulative GPA of 2.5 at the time of application.

Contact: Dean, School of the Arts

ARTHUR NEWMAN MEMORIAL FUND

Amount: Varies

Criteria: Undergraduate or graduate students enrolled in programs offered through MSU's School of the Arts to participate in programs or activities which will provide professional development in the arts.

Contact: Dean, School of the Arts

DAVID OTT FELLOWSHIP

Amount: A total of \$4,000 awarded at the rate of \$1,000 per semester

Criteria: Incoming fully matriculated graduate student enrolled in the Music Therapy Program. Recipient must remain a matriculated student in good standing.

Contact: Coordinator, Music Therapy Program

PHI DELTA KAPPA SCHOLARSHIP

Amount: Varies. Usually two awards covering cost of one graduate course.

Criteria: Matriculated student in education master's degree program.

Contact: Dean, College of Education and Human Services

MARYANN PEINS SCHOLARSHIP

Amount: Varies

Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.

Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP

Amount: \$250

Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.

Contact: Chairperson, Communication Sciences and Disorders

F. PAUL SHIELDS FUND

Amount: Varies

Criteria: The scholarship will be awarded to a full-time student in the Master's of Fine Arts program at MSU. The award is based on academic achievement and the student must maintain a minimum GPA of 3.2. Must also provide evidence of demonstrated leadership and participation in extra-curricular activities at MSU.

Contact: Chairperson, Art and Design.

MAX A. SOBEL FELLOWSHIP

Amount: Amount and frequency varies

Criteria: Graduate student in mathematics education nominated by mathematics education faculty

Contact: Chairperson, Mathematical Sciences

MARGARET AND HERMAN SOKOL FELLOWSHIP IN SCIENCE

Amount: \$10,000

Criteria: Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must show academic excellence and potential for success in doctoral studies and research.

Contact: Dean, College of Science and Mathematics

MARGARET AND HERMAN SOKOL AWARD FOR INTERNATIONAL GRADUATE STUDY/RESEARCH

Amount: \$5,000 (\$2,500 per semester)

Criteria: Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.

Contact: Dean, College of Science and Mathematics

SOVEREL BOOK AWARD

Amount: \$200

Criteria: Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.

Contact: Dean, School of Business

DR. AL STEIN MEMORIAL AWARD

Amount: Varies

Criteria: Full-time students majoring in a program offered in the Biology and Molecular Biology department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.

Contact: Chairperson, Biology and Molecular Biology

ALBERT WANG THESIS SCHOLARSHIP

Amount: \$2,000

Criteria: Fully matriculated full- or part-time doctoral students at Montclair State University who are enrolled in their courses for dissertation advisement for the semester of the award. Must maintain a minimum of 3.0 GPA.

Contact: Dean, Graduate Studies

THE ERCELL I. WATSON MEMORIAL FUND

Amount: \$100

Criteria: Educator who is matriculated in or a graduate of a master's degree program in the College of Education and Human Services.

Contact: Dean, College of Education and Human Services

Health Professions

PANZER TRUST INCENTIVE SCHOLARSHIP

Amount: \$200

Criteria: Health major who has been accepted for graduate work at a college or university.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOHN G. REDD SCHOLARSHIP

Amount: \$300

Criteria: Full-time undergraduate majoring in health.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

History

JULIAN J. JAFFE MEMORIAL AWARD

Amount: \$75-\$100

Criteria: Undergraduate student who has shown distinction in the study of history and shows a concern for the truth about the past.

Contact: Chairperson, History

WILLIAM McLEAN SCHOLARSHIP

Amount: \$500 (junior or senior year)

Criteria: Outstanding junior history major who has shown an appreciation for the comprehensiveness of historical study and the interrelatedness of history, the social sciences and the humanities. Minimum GPA of 3.0 in history and a minimum cumulative GPA of 2.67.

Contact: Chairperson, History

GARY RICHARD TAMIRIAN MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Outstanding junior or senior majoring in history or political science with a minimum cumulative GPA of 3.5. Must offer examples of community service and commitment to humanitarian endeavors.

Contact: Chairperson, History or Political Science

Honors Program

ADP HONORS SCHOLARSHIP

Amount: \$1,250

Criteria: Full-time undergraduate students enrolled in MSU's Honors Program. Recipients must agree to limit themselves to no more than 10 hours a week of outside employment in semesters for which they receive the scholarship.

Contact: Director, Honors Program

MSU FOUNDATION HONORS SCHOLARSHIP

Amount: Varies

Criteria: Full-time students in the Honors Program.

Contact: Director, Honors Program

THE PHYLLIS LeBOFF ENDOWMENT FUND IN HONOR OF HER HUSBAND, GERALD A. LeBOFF

Amount: Varies

Criteria: Talented and gifted students.

Contact: Director, Honors Program

THE VIVIAN AND HEINZ ROSENBUSH MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Full-time juniors or seniors in the Honors Program.

Contact: Director, Honors Program

MARY A. WHALEY MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Gifted, incoming freshmen with middle income backgrounds who do not qualify for financial aid.

Contact: Director, Honors Program

WILKINS HONORS SCHOLARSHIP

Amount: Varies

Criteria: Students in the Honors Program, especially those interested in the sciences.

Contact: Director, Honors Program

Human Ecology

FASHION STUDIES AWARD

Amount: Varies

Criteria: Human Ecology major with a concentration in Fashion Studies; high academic standing; participation in college and/or community activities; professional potential.

Contact: Chairperson, Human Ecology

FOOD SCIENCE AWARD

Amount: \$300

Criteria: Human Ecology major with a concentration in Food and Nutrition-Food Technology with minimum cumulative GPA of 3.0 and professional potential.

Contact: Chairperson, Human Ecology

LOIS J. GUTHRIE SCHOLARSHIP

Amount: \$250

Criteria: Full-time junior Human Ecology major with minimum cumulative GPA of 3.0. Must have made voluntary contributions of time and energy to a community agency serving families or consumers. Active involvement in American Association of Family and Consumer Sciences (AAFCS), MSU chapter.

Contact: Chairperson, Human Ecology

KATHERINE B. HALL SCHOLARSHIP

Amount: Varies

Criteria: Full-time senior Human Ecology major with a minimum cumulative GPA of 3.0. Must be a member and active participant in the activities of the AAFCS, MSU chapter.

Contact: Chairperson, Human Ecology

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER GRANDMOTHER, ANNA ESEMANN PEINS

Amount: Varies

Criteria: Full-time female undergraduate junior or senior Human Ecology major enrolled in the Food and Nutrition concentration. Must maintain a 3.2 cumulative GPA and demonstrate participation in campus and/or community activities, exhibit personal growth and potential for professional success.

Contact: Chairperson, Human Ecology

NANCY SANDELIN PAISLEY AWARD

Amount: \$100

Criteria: Undergraduate in the Human Ecology major with a concentration in Food and Nutrition who has completed both Fundamentals of Biochemistry and has high overall academic achievement, good character and potential to contribute to the profession.

Contact: Chairperson, Chemistry and Biochemistry or Human Ecology

International Students

JAMES AND ELIZABETH MILLARD SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated full-time undergraduate or graduate students in good academic standing who have come from the West Indies to study at MSU. Financial need will be a consideration in the awarding of this scholarship. Preference will be given to students majoring in Broadcasting.

Contact: Director, International Student Services

Journalism

HARRY FRIEDLANDER JOURNALISM AWARD

Amount: Two-\$100 awards

Criteria: Students who show outstanding performance in the study or practice of journalism.

Contact: Coordinator, Journalism Program

J. RAYMOND PAUL JOURNALISM AWARD

Amount: \$750

Criteria: Students who have completed nine credit hours toward a declared journalism minor and shown outstanding performance in the study and practice of journalism.

Contact: Coordinator, Journalism Program

Legal Studies

DR. HARRY BALFE II SENIOR AWARD

Amount: Varies

Criteria: Senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.

Contact: Chairperson, Legal Studies

Management

ATOCHEM NORTH AMERICAN AWARD

Amount: Varies

Criteria: Senior management major who exhibits scholarly performance and leadership potential.

Contact: Chairperson, Management

AUSTIN DRUKKER SCHOLARSHIP

Amount: Varies

Criteria: Students who exhibit acceptable academic performance and contribute significantly to the department, school, university and/or society.

Contact: Chairperson, Management

Mathematical Sciences

MAX A. SOBEL FELLOWSHIP

Amount: Amount and frequency varies.

Criteria: Graduate student in mathematics education nominated by mathematics education faculty.

Contact: Chairperson, Mathematical Sciences

AUDREY VINCENTZ LEEF SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated full-time or part-time undergraduate or graduate students in good academic standing who are enrolled in at least one mathematics course at any level.

Contact: Chairperson, Mathematical Sciences

JOHN C. STONE FUND

Amount: Varies

Criteria: Recommendation of Mathematical Sciences Department faculty with chairperson's approval; mathematics or computer science major.

Contact: Chairperson, Mathematical Sciences

Media

EMANJ GRADUATE STUDY SCHOLARSHIP IN EDUCATIONAL MEDIA

Amount: \$500 (two scholarships)

Criteria: Graduate media student, New Jersey

Contact: Educational Media Association of New Jersey
Ms. Anita Sawczuk
The Old Turnpike School
Califon, NJ 07830
(908) 439-2010

EMMA FANTONE MEDIA GRANT

Amount: Varies (provides for attendance at media conference)

Criteria: Student interested in a career in media.

Contact: Associate Director, Media Center

Merit-Based Scholarships

LARRY DOBY SCHOLARSHIP—NJ NETS

Amount: Varies

Criteria: Academically talented graduate of Montclair or Paterson Eastside high schools.

Contact: Director, Admissions

RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP

Amount: \$500

Criteria: Full-time students who have been accepted in a study abroad program sponsored by the University. Recipients must be in good academic standing at time of application and have completed two semesters of study at MSU.

Contact: Director, International Studies

THE INTDR TECHNOLOGY SCHOLARSHIP

Amount: \$500

Criteria: Must be a full-time student in any school/department at MSU. Must have a 3.2 GPA at the time of application. Only for second semester freshmen, sophomores, and juniors.

Contact: Director, Financial Aid

THE JAMES P. KEENEN III/JOSEPH T. MOORE/ANITA UHIA/CONSTANCE WALLER SCHOLARSHIP ENDOWMENT

Amount: Varies

Criteria: Enrolled full-time students in good academic standing. Sponsored by the American Federation of Teachers Local 1904.

Contact: Administrator, AFT Local 1904

MICHAEL & MARGARET JUDGE MORRIS SCHOLARSHIP

Amount: Varies

Criteria: Incoming freshman who graduated from either Brick or Brick Memorial high schools with the highest SAT score.

Contact: Director, Admissions

DONALD L. MULFORD MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Full-time undergraduates who have graduated from one of the four high schools based in Montclair. Preference given to incoming freshmen.

Contact: Director, Community Relations

SCHERING PLOUGH FOUNDATION SCHOLARSHIP

Amount: \$10,000

Criteria: Recipient must be enrolled at Montclair State University and maintain high standards of academic achievement, character and contribute to the community through extra-curricular involvement, service and leadership. Student must demonstrate financial need.

Contact: Director, Admissions

JOHN AND IRMA SHEFFMAN SCHOLARSHIP

Amount: Varies

Criteria: Full-time, fully matriculated undergraduate students in good academic standing.

Contact: Director, Honors Program

HARRY S. TRUMAN SCHOLARSHIP - GOVERNMENT SERVICE LEADERSHIP DEVELOPMENT

Amount: Varies (maximum \$5,000 a year for up to 4 years)

Criteria: A merit-based scholarship awarded at the end of sophomore year to a student anticipating government service.

Contact: Director, Honors Program

Music

MARDEN BATE SCHOLARSHIP

Amount: *Varies*

Criteria: *Gifted voice students enrolled in MSU's Music Department*

Contact: *Chairperson, Music*

FRANK AND LYDIA BERGEN SCHOLARSHIP HONORING JEAN HOOPER

Amount: *\$5,000*

Criteria: *Talented music students with financial need pursuing careers in music.*

Contact: *Chairperson, Music*

LARRY A. FRANK MUSIC SCHOLARSHIP

Amount: *Varies*

Criteria: *Music student who shows promise as a music educator, performer, therapist, composer, theorist or historian.*

Contact: *Chairperson, Music*

ANNA LAURA HANSEN-GRIFFITH PIANO SCHOLARSHIP

Amount: *Varies*

Criteria: *Music student studying piano.*

Contact: *Chairperson, Music*

JEANNE HENINGBURG SCHOLARSHIP

Amount: *Varies*

Criteria: *Prospective or currently enrolled African-American student majoring in music, dance or theatre. Cumulative GPA of 3.0 in major.*

Contact: *Dean, School of the Arts*

HOWE SCHOLARSHIP

Amount: *Varies*

Criteria: *Music major who shows ability and interest.*

Contact: *Chairperson, Music*

EDNA McEACHERN MUSIC FUND

Amount: *Varies*

Criteria: *Music students who demonstrate financial need, musicianship and a contribution to the department.*

Contact: *Chairperson, Music*

WARD MOORE MEMORIAL MUSIC SCHOLARSHIP FUND

Amount: *\$500*

Criteria: *Full-time undergraduate student preparing for a career in music (teaching or performing), in good academic standing and has completed at least two semesters at MSU.*

Contact: *Chairperson, Music*

MORSE ESTATE SCHOLARSHIP FUND

Amount: *Varies*

Criteria: *Full-time undergraduate majoring in music who shows interest and ability.*

Contact: *Chairperson, Music*

LUCILE OLIVA MUSIC SCHOLARSHIP

Amount: *\$250*

Criteria: *Full-time, junior and/or senior students enrolled in Music Department with a cumulative GPA of 3.0 or higher with a significant achievement as a music student and potential success in the field of music.*

Contact: *Chairperson, Music*

DAVID OTT SCHOLARSHIP

Amount: *\$500*

Criteria: *Fully matriculated upper level undergraduate and/or post-baccalaureate students enrolled in the Music Therapy Program.*

Contact: *Coordinator, Music Therapy Program*

MARYANN PEINS MEMORIAL PIANO SCHOLARSHIP IN HONOR OF HER FATHER, RUDOLPH M. PEINS

Amount: *Varies*

Criteria: *Talented and gifted incoming freshman enrolled as a full-time music major studying piano, who shows promise as a performer, composer, or therapist with potential for professional success.*

Contact: *Chairperson, Music*

OSCAR RAVINA TALENT GRANT

Amount: *Varies*

Criteria: *Outstanding, full-time freshmen studying string instruments.*

Contact: *Professor Oscar Ravina, Music*

CAROL H. WASSERMAN PIANO SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time undergraduate piano majors.*

Contact: *Chairperson, Music*

Philosophy and Religion

GEORGE BRANTL SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Philosophy and Religion*

MARYANN PEINS MEMORIAL RELIGION SCHOLARSHIP IN HONOR OF HER GRANDMOTHER, KATHERINE SOHASKI HANKO

Amount: *Varies*

Criteria: *Full-time female undergraduate Religious Studies major. Must demonstrate favorable academic standing, personal growth participation in campus and/or community activities, and professional potential.*

Contact: *Chairperson, Philosophy and Religion*

LARRY STANTON SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Philosophy and Religion*

ROBERT F. STREETMAN SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Philosophy and Religion*

Physical Education

PAUL P. BOGATKO SCHOLARSHIP

Amount: *Varies*

Criteria: *A graduate of East Side High School, Newark, NJ, who is in good academic standing in the field of physical education. Must show financial need.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

MARGARET C. BROWN SCHOLARSHIP

Amount: *\$250*

Criteria: *Sophomore/second year physical education major with highest cumulative average. Must reflect professional ideals through leadership, service or participation in professional physical education activities on- or off-campus (i.e., conferences, workshops, conventions).*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

JOSEPH PAUL CERES SCHOLARSHIP

Amount: *Varies*

Criteria: *Sophomore/second year or junior female gymnast with exceptional ability and leadership in gymnastics.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

CAROLE DONOVAN AWARD

Amount: *Varies*

Criteria: *Health Education or Allied Health major in good academic standing, who has demonstrated commitment to the health community, is service oriented, and plans to continue in the health field.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

NICHOLAS CICCONE SCHOLARSHIP

Amount: *Varies*

Criteria: *Sophomore/second year or junior physical education major with skill in motivating older adults to keep fit through movement activities.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

KATHERINE EATON SCHOLARSHIP

Amount: *\$200*

Criteria: *Sophomore/second year or junior physical education major in teacher education program who exhibits professional excellence scholastically and in personal conduct.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies.*

SUE FULLER MEMORIAL SCHOLARSHIP

Amount: \$500 approximately
Criteria: Junior female in physical education who has exhibited outstanding contributions through service to athletics (i.e., manager, publicity, statistician).
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GERALD A. GARAFOLA SCHOLARSHIP

Amount: \$250
Criteria: Physical education sophomore/second year with a minimum cumulative GPA of 2.8, who has made distinguished contributions and shown leadership in department activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

A. J. GORTON SCHOLARSHIP

Amount: \$100
Criteria: Junior who maintains high performance level in physical education activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

VINCENT, DOROTHY AND TERESA FARRELL SCHOLARSHIP

Amount: Varies
Criteria: Freshmen/first year who demonstrates high academic achievement and are active in department activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GIARDINA AWARD FOR EXCELLENCE IN PRE-SERVICE TEACHING

Amount: Varies
Criteria: MAT candidate with a concentration in physical education or health who demonstrates exceptional skill in pre-service teaching experience and/or requirements. Minimum of a 3.0 GPA.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ASHLEY HAMMOND SCHOLARSHIP

Amount: \$150
Criteria: A female physical education major.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SCOTT AND DOROTHEA HARRIS SCHOLARSHIP

Amount: Varies
Criteria: Sophomore/second year with minimum cumulative GPA of 3.0. Must be good citizens of their schools and communities and offer the promise of being successful physical education teachers.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE FANNIE DIENER HONIGFELD SCHOLARSHIP

Amount: \$250
Criteria: Students who exhibit effective leadership in department organizations and provide service to meet departmental needs when requested.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GEORGE HORN AWARD

Amount: Varies
Criteria: Male student, in good academic standing, who demonstrates leadership, team spirit and a desire to make a positive contribution to society.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE ETHEL SIMPSON LENKOWSKY '37 SCHOLARSHIP

Amount: Varies
Criteria: Junior physical education major who has an academic record of high quality. Must exhibit financial need.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DEAN MARTINO MEMORIAL SCHOLARSHIP

Amount: \$100
Criteria: Junior physical education major who demonstrates a willingness to give time to others.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOSEPH NERENBERG SCHOLARSHIP

Amount: \$100
Criteria: Freshman/first year physical education major who best represents sportsmanship as well as good scholarship.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

HARRY NOWICK SCHOLARSHIP

Amount: Varies
Criteria: Presented to a male student majoring in physical education.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ROGER M. PALMISANO AWARD

Amount: \$100
Criteria: A male student in good academic standing with a cumulative average of at least 2.5.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER ALUMNI SCHOLARSHIP

Amount: \$200
Criteria: Freshman/first year physical education major with highest scholastic average who best exhibits evidence of professional competence.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT ASSOCIATION ADAPTED PHYSICAL EDUCATION AWARDS

Amount: Varies
Criteria: Students who demonstrate exceptional service and qualities of leadership, understanding and creativity while fulfilling practicum assignments in the adapted area.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT SERVICE AWARD

Amount: \$50 Bond
Criteria: Student in good academic standing, who has provided outstanding leadership and service to the Panzer Student Association
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

**PANZER TRUST FUND
(3 incentive scholarships)**

Amount: \$200
Criteria: Freshmen/first year entering Montclair State in the fall. Three scholarships will be obtainable:
1. Physical Education major
2. Recreation and Leisure Studies major
3. Health Careers major
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER TRUST INCENTIVE SCHOLARSHIP

Amount: \$200
Criteria: For the recreation major who has been accepted for graduate work at a college or university.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELVERA DE MUTH PERKINS SCHOLARSHIP

Amount: \$200
Criteria: Freshman/first year Physical Education major who offers the most promise for making positive contributions to the field of physical education. Must show financial need.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELYSIA PHILIPP SCHOLARSHIP

Amount: Varies
Criteria: Student who exhibits financial need to continue higher education in the Department of Health Professions, Physical Education, Recreation, and Leisure Studies.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SUE SIEGAL RITZ SCHOLARSHIP

Amount: Varies
Criteria: Junior or senior Physical Education student who has shown acceptable academic achievement and demonstrates exceptional ability in working with handicapped students.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SYDNEY B. ROTHBARD SCHOLARSHIP FUND

Amount: *Varies*

Criteria: *Full-time, undergraduate student majoring in physical education who has a cumulative grade point average of 3.0 or higher. Recipients must exhibit good sportsmanship and an understanding of teamwork.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

ROSE POPKIN SIMON '19 SCHOLARSHIP

Amount: *\$100*

Criteria: *Physical Education major who exhibits creativity and beauty of movement in dance.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

BETTY SOMMER AWARD

Amount: *\$100*

Criteria: *A Physical Education, major studying movement education at MSU.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

DR. RICHARD W. TEWS AWARD

Amount: *\$50*

Criteria: *Student with minimum cumulative GPA of 2.75 who contributes to physical education through services in the Panzer Student Association.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

THOMAS THOMAS SCHOLARSHIP

Amount: *\$100*

Criteria: *Two junior Physical Education majors who have shown interest and skill in working with individuals who possess development disabilities.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

CATHY VAYIANOS COACHES AWARD

Amount: *\$150*

Criteria: *Female student who demonstrates leadership and the willingness to learn.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

DR. HAZEL WACKER AWARD

Amount: *Varies*

Criteria: *A student majoring in Physical Education, Recreation or Health who gives documented volunteer service to an off-campus community group, organization, or institution.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

WESTON-BROWN SCHOLARSHIP

Amount: *Varies*

Criteria: *Sophomore/second year Physical Education student who has the highest cumulative average and reflects some of Dr. Brown's professional ideals through leadership, service or participation in professional Physical Education activities on- or off-campus (i.e., conference, workshop, convention).*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

Physics**RICHARD HODSON SCHOLARSHIP**

Amount: *\$100*

Criteria: *Outstanding undergraduate physics major.*

Contact: *Coordinator, Physics*

PHYSICS AWARD

Amount: *\$100*

Criteria: *Outstanding undergraduate physics major.*

Contact: *Coordinator, Physics*

Political Science**J. S. GANG SCHOLARSHIP**

Amount: *Varies*

Criteria: *Economics or political science students remaining at MSU for their upper division work. Must exhibit financial need.*

Contact: *Chairperson, Political Science*

Psychology**WILLIAM DORTCH, JR. SCHOLARSHIP**

Amount: *\$700*

Criteria: *Freshman psychology majors with a minimum "C" high school average, as well as matriculated students who demonstrate financial need and potential contribution to the field of human development.*

Contact: *Chairperson, Psychology*

NANCY DRAPER EMERGENCY LOAN FUND

Amount: *Varies*

Criteria: *To provide emergency loans to fully matriculated students majoring in psychology.*

Contact: *Chairperson, Psychology*

ORPHA M. LUTZ LOAN FUND

Amount: *Varies*

Criteria: *Psychology majors.*

Contact: *Chairperson, Psychology*

JEROME M. AND CINDY SEIDMAN AWARD FOR EXCELLENCE IN PSYCHOLOGY

Amount: *\$100 each*

Criteria: *Graduating male and female psychology majors with the highest cumulative grade point averages. In the event of a tie, selection based on service to school and community.*

Contact: *Chairperson, Psychology*

Recreation and Leisure Studies**OUTSTANDING COMMERCIAL RECREATION/TOURISM AWARD**

Amount: *\$25 and certificate*

Criteria: *Commercial recreation/tourism graduating senior who demonstrates excellence in scholarship, co-curricular activities, work experiences and research projects.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

RUBY AND CARL SAYERS MEMORIAL AWARD

Amount: *Varies*

Criteria: *Therapeutic recreation student with a minimum cumulative GPA of 3.0 who has demonstrated efforts through exemplary volunteer work experience or internships with special populations.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

WRITING AS THERAPY SCHOLARSHIP

Amount: *Varies*

Criteria: *Junior or senior with an interest in writing or who possesses other communication skills that apply to a career in recreation therapy.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

School of the Arts**JOHN AND ROSE CALI SCHOLARSHIP FOR THE ARTS**

Amount: *Varies*

Criteria: *Perspective or currently enrolled full-time or part-time undergraduate or graduate students enrolled in the School of the Arts. Must have a minimum GPA of 2.5.*

Contact: *Dean, School of the Arts*

COSMOPOLITAN CLUB OF MONTCLAIR SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time undergraduate or international graduate student majoring in a program offered through the School of the Arts.*

Contact: *Dean, School of the Arts*

DONALD AND JUDITH MILLER SCHOLARSHIP FOR FINE ARTS

Amount: *Varies*

Criteria: *Perspective or currently enrolled full-time undergraduate or graduate African American and Latino students enrolled in the Art and Design department of the School of the Arts. Must have minimum cumulative GPA of 2.5 at the time of application.*

Contact: *Dean, School of the Arts*

ELLEN MOHAMMED SCHOLARSHIP

Amount: \$500

Criteria: Full-time African-American undergraduate majoring in fine arts, minimum GPA of 2.0.

Contact: Ellen Mohammed Scholarship Committee, c/o Dean, School of the Arts

ARTHUR NEWMAN MEMORIAL FUND

Amount: Varies

Criteria: Undergraduate or graduate students enrolled in programs offered through MSU's School of the Arts to participate in programs or activities which will provide professional development in the arts.

Contact: Dean, School of the Arts

SCHOOL OF THE ARTS SCHOLARSHIP/TALENT GRANT

Amount: Varies

Criteria: Full-time students majoring/minoring in a program in the School of the Arts. Must be enrolled in a department within the School. Undergraduates must have a minimum GPA of 2.5.

Contact: Dean, School of the Arts

TRENTA AMICI SCHOLARSHIP

Amount: \$500

Criteria: Full-time undergraduate student majoring in a program offered by the School of the Arts.

Contact: Dean, School of the Arts

School of Humanities and Social Sciences**JANET HOLT SCHOLARSHIP**

Amount: \$1,000

Criteria: Full-time undergraduate student majoring in a field of study within the School of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.

Contact: Chairperson, Philosophy and Religion

Second Careers**RALPH P. LASALLE SCHOLARSHIP**

Amount: \$100

Criteria: Part-time student, 50 years or older, enrolled in a degree program.

Contact: Director, Center for Adult Learning

HELEN M. PURCELL SCHOLARSHIP FUND

Amount: \$500

Criteria: Female part-time student in the Second Careers program over the age of 35, who works at least 25 hours per week and has attained no more than an associates degree from an accredited institution. Recipient must have a 3.25 cumulative grade point average at the time of application.

Contact: Director, Center for Adult Learning

ALICIA PAREHA SAVAGE SCHOLARSHIP FOR ADULT STUDENTS

Amount: \$100

Criteria: Undergraduate student, 25 years old or older, who has earned a minimum of six credits in MSU Second Careers Program, minimum GPA of 2.5.

Contact: Director, Center for Adult Learning

ALICIA P. SAVAGE MSU ASL ADULT SCHOLASTIC ACHIEVEMENT FUND

Amount: \$600

Criteria: Matriculated undergraduate, 25 years or older, enrolled in at least 6 semester hours for the semester they are awarded and has a minimum cumulative GPA of 2.5.

Contact: Director, Center for Adult Learning

Service-Learning**EDWARD LESHOWITZ URBAN INITIATIVE AWARD**

Amount: \$500 for tuition and fees

Criteria: Currently enrolled MSU students who have successfully participated in a community service project that helped solve an urban problem during the last two years.

Contact: Director, Service-Learning

Spanish/Italian**TERESA DE ESCORIZA SCHOLARSHIP**

Amount: Varies

Criteria: Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need.

Contact: Chairperson, Spanish/Italian

JOANNE ENGELBERT SCHOLARSHIP FOR ACHIEVEMENT IN TRANSLATION

Amount: \$500

Criteria: Full-time or part-time students with a translating concentration in the Department of Spanish/Italian with a cumulative GPA of 2.75 and a minimum of 3.0 in the Translation Concentration. Based on academic achievement. Financial need of candidate will be considered.

Contact: Chairperson, Spanish/Italian

ITALIAN CLUB SCHOLARSHIP

Amount: Varies

Criteria: Interest in Italian culture or language, to further education here or abroad; must have good scholastic average; letter of recommendation; and some financial need.

Contact: Spanish/Italian Department or Italian Club

ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI SCHOLARSHIP FOR ITALIAN CULTURE

Amount: Varies

Criteria: Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.

Contact: Director, Siena Study Abroad Program

SARA PRIETO SCHOLARSHIP

Amount: Varies

Criteria: Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need, specifically for study abroad.

Contact: Chairperson, Spanish/Italian

Special Education**MIANO GRADUATE SPECIAL EDUCATION SCHOLARSHIP**

Amount: \$1,000

Criteria: Graduate student enrolled in a program leading to work with children who have Pervasive Developmental Disorders. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.

Contact: Director, Psychoeducational Center

Study Abroad**THE RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP**

Amount: \$500

Criteria: Full-time, undergraduate students registered in a study abroad program sponsored by MSU. Recipient must be in good academic standing and must have completed at least two semesters of study at MSU.

Contact: Director, Global Education

MARGARET B. HOLZ SCHOLARSHIP

Amount: \$200 - \$1,000

Criteria: Study in a field of modern language outside the United States.

Contact: Chairperson, Classics and General Humanities

ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI SCHOLARSHIP FOR ITALIAN CULTURE

Amount: Varies

Criteria: Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.

Contact: Director, Siena Study Abroad Program

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP

Amount: 28,000 Austrian Schillings (about \$1,700), plus room, health insurance and 20-day pass on Austrian National Railway.

Criteria: Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.

Contact: Chairperson, French. Apply during early spring semester.

Theatre and Dance**WILLIAM A. BALLARE SCHOLARSHIP**

Amount: Varies

Criteria: Full-time speech and theatre major enrolled in the Teacher Certification Program with a cumulative GPA of 3.0. Demonstrate outstanding teaching potential.

Contact: Chairperson, Theatre and Dance

DESIGN/PRODUCTION AWARD

Amount: \$200

Criteria: Full-time undergraduate involved in the Design/Production Program with a minimum cumulative GPA of 2.0.

Contact: Chairperson, Theatre and Dance

THE DANCE SCHOLARSHIP

Amount: Varies

Criteria: Outstanding dance student chosen on basis of potential, contribution and talent.

Contact: Chairperson, Theatre and Dance

JEANNE HENINGBURG SCHOLARSHIP

Amount: Varies

Criteria: Prospective or currently enrolled African-American student majoring in music, dance or theatre with a cumulative GPA of 3.0 in his/her major.

Contact: Chairperson, Theatre and Dance

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies

Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.

Contact: Chairperson, Theatre and Dance

MARK MATTALIANO SENIOR ACTING AWARD

Amount: Varies

Criteria: Senior male and female undergraduates majoring in theatre. Must possess superior acting talent, demonstrate growth in acting ability and provide evidence of professional commitment and potential.

Contact: Chairperson, Theatre and Dance

DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN THEATRE

Amount: \$100

Criteria: Theatre junior, senior or graduate student with a minimum GPA of 3.0 in theatre courses who has given high-quality performances, demonstrated professional potential and has shown evidence of continued development.

Contact: Chairperson, Theatre and Dance

DENNIS K. McDONALD MEMORIAL SCHOLARSHIP

Amount: \$300

Criteria: Freshman pursuing Bachelor of Fine Arts in theatre. Award based on required admission audition and exhibited academic competence.

Contact: Chairperson, Theatre and Dance

MARYANN PEINS MEMORIAL DANCE SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS

Amount: Varies

Criteria: Outstanding female undergraduate dance student chosen on basis of talent, contribution and potential. Must demonstrate favorable academic standing, continued development and potential for professional success.

Contact: Chairperson, Theatre and Dance

THE SPEECH AND THEATRE SCHOLARSHIP FUND

Amount: Varies

Criteria: Students within the Departments of Broadcasting, Communication Studies, Theatre and Dance who exhibit financial need.

Contact: Chairperson, Theatre and Dance

Upward Bound**JOHN G. REDD SCHOLARSHIP**

Amount: \$100

Criteria: Full-time undergraduate who is a former participant in the Upward Bound Program.

Contact: Director, Intra-Collegiate Academic Programs



ADMINISTRATION AND FACULTY

UNIVERSITY BOARD OF TRUSTEES

SUSAN L. BLOUNT, Chair
ROBERT A. ALTMAN
BRADLEY S. BREWSTER
ROSE C. CALI
MURRAY L. COLE
GEORGE J. HILTZIK
DOUGLAS L. KENNEDY
LILY K. LAI
CARLOS G. ORTIZ
PRESTON PINKETT III
WAYNE J. POSITAN
JONATHAN R. SPICEHANDLER
MARIA A. TORTORETO, Student
IRA A. WALKER
SCOTT R. WILLIAMS

Non-voting

SUSAN A. COLE, President
ALFRED L. FATALE III, Student
Faculty Representative
JACK BALDWIN-LeCLAIR

OFFICERS OF THE UNIVERSITY

SUSAN A. COLE, Ph.D., President
RICHARD A. LYNDE, Ph.D., Provost and Vice
President for Academic Affairs
HARRY P. SCHUCKEL, M.B.A., Senior Vice
President for Administration
DONALD D. CIPULLO, B.B.A., C.P.A., Vice
President for Finance and Treasurer
JUDITH T. HAIN, M.S., Vice President for
Human Resources
KAREN L. PENNINGTON, Ph.D., Vice
President for Student Development and
Campus Life
GREGORY L. WATERS, Ph.D., Vice President
for University Advancement
VALERIE L. VAN BARREN, J.D., University
Counsel

ACADEMIC DEANS

ADA BETH CUTLER, Ed.D., Dean, College of
Education and Human Services
RICHARD J. GIGLIOTTI, Ph.D., Dean, College
of Humanities and Social Sciences
JUDITH LIN HUNT, D.L.S., Dean, Library
Services
CARLA M. NARRETT, Ph.D., Dean, School of
Graduate, Professional and Continuing
Education
GEOFFREY W. NEWMAN, Ph.D., Dean, School
of the Arts
ALAN J. OPPENHEIM, Ph.D., Dean, School of
Business
ROBERT S. PREZANT, Ph.D., Dean, College of
Science and Mathematics

PRESIDENT'S DIVISION

SUSAN A. COLE, Ph.D., President
VALERIE VAN BAAREN, J.D., University
Counsel
GABRIELLE CHARETTE, J.D., Director,
Government Relations
LISE GREENE, Ph.D., Executive Assistant to the
President and Board of Trustees

ACADEMIC AFFAIRS

RICHARD A. LYNDE, Ph.D., Provost and Vice
President for Academic Affairs
JOAN C. FICKE, Ed.D., Associate Vice President
for Academic Affairs for Personnel and
Resource Planning
JUDITH E. MINIER, Ed.D., Associate Vice
President for Academic Affairs for
Curriculum and Instruction

JESSE JAMES YOUNG, M.A., Executive
Assistant to the Provost and Vice President for
Academic Affairs

MARY COLON, B.A., Administrative
Coordinator

Center for Community-Based Learning

FREYDA LAZARUS, Ed.D., Director
ELAINE RUSSO, M.A., Assistant Director
LINDA GONZALEZ, M.A., Assistant Director
BEVERLY VERVERS, M.A., Assistant Director
BARBARA TURNER, M.A., Coordinator
KATHRYN HAMMOND, M.A., Community
Outreach Partnership Center

College of Education and Human Services

ADA BETH CUTLER, Ed.D., Dean
PERRY E. GREENE, Ph.D., Associate Dean
LESLIE E. JENKINS, M.A., Assistant Dean
ANTHONY W. LAZROE, MA., Development
Coordinator

HOUSEN F. MARATOUK, M.A., Technology
Coordinator

Center of Pedagogy

CYNTHIA ONORE, Ph.D., Director
CHERYL HOPPER, M.A.T., Assistant
Director

SCOTTA FRYE, B.A., Program Assistant
BRENDA SHEEHAN, B.A., Program
Assistant

LAURA ADAMO-MARTINEZ, M.S.T.,
Urban Teaching Academy Director
ANNE BALDINGER, M.S.Ed., Director,
Teacher Admissions

ADRINA A. CHRISTIANO, M.A., Program
Admissions Specialist

JAIME GRINBERG, Ph.D., Director, NJNER
SHENEQUA T. COELHO, B.A., Program
Assistant, NJNER

SUSAN AMIRIAN, M.A., Director,
Curriculum Resource Center

JENNIFER ROBINSON, Ed.D., Director,
Teacher Education Advocacy Center

RUTH ZERWITZ, M.Ed., Counselor, TEAC
BARICE WILLIAMSON, M.S.W.,
Counselor, TEAC

Child Care Center

JANEY De LUCA, M.A., Director
PATRICIA FDYFIL, B.A., Teacher
SUSAN HAIDINGER, M.A., Teacher
DANA PURCEL-PALIMIERI, B.A., Teacher
LUCY DE LA HOZ, Teacher Assistant
DAWN TORCHON, Teacher Assistant
JANET ORTIZ, Teacher Assistant
JANINA BARWICK, Teacher Assistant

Institute for the Advancement of Philosophy for Children

MAUGHN GREGORY, Ph.D., Interim
Director

ANN MARGARET SHARP, Ed.D.,
Associate Director

JOANNE MATKOWSKI, B.S., Assistant
Director

Psychoeducational Center

ANTOINETTE SPIOTTA, M.A., Director
SUSAN A. COOK, Psy.D., Assistant Director
SUSAN JAGER, M.A., Coordinator of Early
Intervention Program

LISA BALZANO, M.A., Coordinator of
Early Intervention Program

Reading and Study Skills Center

MARIA E. SCHANTZ, Ed.D., Director

College of Humanities and Social Sciences

RICHARD J. GIGLIOTTI, Ph.D., Dean
WILLIAM ROSA, Ph.D., Associate Dean

DOROTHY ROGERS, Ph.D., Assistant Dean
CARLOS M. ORTIZ, M.A., M.F.A.,
Administrative Assistant

Administrative and Educational Technology

ALAN J. KELTON, Coordinator
ELISABETH MAYFIELD, Support Services

Center for Archaeological Studies

STANLEY WALLING, Ph.D., Director

Communication Disorders Center

ELAINE HITCHCOCK, M.A., Coordinator,
ELIZABETH GIUFFRIDA, M.S., Clinic
Supervisor

Hispanic Institute

ROBERT MCCORMICK, Ph.D., Director

Institute for Community Studies

GERALD KLOBY, Ph.D., Coordinator

Institute for the Humanities

TIMOTHY RENNER, Ph.D., Director

Language Learning Technology

MICHAEL HELLER, M.A., Director

Language Placement Testing

JESSICA BRANDT, M.A., Coordinator

College of Science and Mathematics

ROBERT S. PREZANT, Ph.D., Dean
MICHAEL ANTHONY KRUGE, Ph.D.,
Associate Dean

JINAN JABER-LINSALATA, Ph.D., Assistant
Dean

Health Careers Program

DONNA LORENZO, M.S., Director
R. MARIE WASHINGTON, M.A., Academic
Advisor/Counselor

SERENA SMITH, M.A., Recruiter/
Administrative Assistant

MARIA A. TORRES, B.S., Assistant
Director, Upward Bound

New Jersey School of Conservation

WILLIAM THOMAS, Ph.D., Director
NICHOLAS SMITH-SEBASTO, Ph.D.,
Associate Director

SHERRY FISHER, B.S., Administrative
Assistant

Professional Resources in Science and Mathematics

JACALYN G. WILLIS, Ph.D., Director
ZHAOKUN WU, B.S., Program Assistant
Manager

Scientific Computing

JAMES CERA VOLO, Technical Liaison

Global Education Center

MARINA CUNNINGHAM, Ph.D., Director
BENJAMIN HADIS, Ph.D., Director,
International Studies

WENDY GILBERT-SIMON, M.A.,
Administrative Assistant

TRACY HOGAN, M.A.T., Administrative
Assistant

Honors Program

THOMAS BENEDIKTSSON, Ph.D., Director

Library Services

JUDITH LIN HUNT, D.L.S., M.A., M.L.S., Dean
LUIS RODRIGUEZ, M.L.S., M.A., Associate
Dean/Public Services

MARY MALLERY, Ph.D., M.L.S., M.F.A.,
Associate Dean/Technical Services

FAITH RYAN, Administrative Assistant

RANDAL CAIN, B.A., Program Assistant

MEILING JOYCE CHOW, M.L.S., Cataloger

ANITA P. DANIEL, M.L.S., Head, Multimedia Resources Department
 EDUARDO GIL, M.L.S., M.A., Head, Periodicals Department
 SUXIAO HU, M.A., M.L.S., Cataloger
 KATHLEEN HUGHES, M.A., M.L.S., Head, Cataloging Department
 LAURA LEVY, M.L.S., Head, Circulation Department
 CHUNG-HEI LONE, M.L.S., Cataloger
 CAROL L. NURSE, M.L.S., Evening Reference Librarian, Reference and Information Services Department
 KEVIN PRENDERGAST, M.L.S., Interlibrary Services Coordinator, Reference and Information Services Department
 PATRICIA SANDERS, M.L.S., Head, Reference and Information Services Department
 JOYCE SCHAFFER, M.L.S., Head, Government Publication Department
 STEVEN D. SHAPIRO, M.L.S., Electronic Resources Librarian
 NORMAN STOCK, M.L.S., M.A., Head, Collection Development/Acquisitions Department
 THOMAS TRONE, M.A., M.L.S., Librarian, Reference and Information Services Department
 WILLIAM VINCENTI, M.L.S., Reference Librarian, Reference and Information Services Department
 (To Be Appointed), Reference Librarian, Reference and Information Services Department

School of the Arts

GEOFFREY W. NEWMAN, Ph.D., Dean
 RONALD L. SHARPS, Ph.D., Assistant Dean
 MARIE SPARKS, B.A., Administrative Assistant
 LINDA DAVIDSON, M.F.A., Assistant Dean, Student Services
 GENE LOTITO, M.A., Supervisor, Memorial Auditorium

Art and Design

LYNDA HONG, B.A., Image Librarian

Art Gallery

LORENZO PACE, Ed.D., Director
 TERESA RODRIGUEZ, Assistant Director

Arts Programming

LINDSEY GAMBINI, M.Phil., Director

Audience Services

ROBERT HERMIDA, B.A., Director

Broadcasting

PATRICIA PIROH, M.A., Producer/Director

DuMont Television Center

JOHN F. DIGLIO, M.A., Director
 PETER GUTHEIL, Chief Engineer
 JEFFREY JONES, A.A., Television Engineer

Music

GINA BALESTRACCI, B.Mus., Administrative Assistant

Preparatory Center for the Arts

RUTH RENDLEMAN, Ed.D., Director
 MARLA MEISSNER, Ph.D., Assistant Director

Theatre and Dance Series

JOANNE OWENS, M.A., Director

TheatreFest

ROGER B. RIGGLE, B.F.A., Associate Producer
 JOHN WOOTEN, B.A., Artistic Director

School of Business

ALAN J. OPPENHEIM, Ph.D., Dean
 KATHRYN MARTELL, Ph.D., Associate Dean
 KAREN E. DENNIS, M. Phil., Assistant Dean
 ROGER SALOMON, B.A., Coordinator of Instructional Services and Technology

M.B.A. Program

EILEEN KAPLAN, Ph.D., Director

School of Graduate, Professional and Continuing Education

CARLA M. NARRETT, Ph.D., Dean

The Graduate School

KRISTIN E. COHEN, Ed.M., Associate Dean
 MICHAEL WYNNE, M.B.A., M.A., Director of Enrollment Management and Recruitment

Continuing Education

(To Be Appointed), Executive Director
 FRANCES MARKUNAS, M.A., Director
 CONCETTA BOLLETTIERI, B.A., Assistant Director

Research and Sponsored Programs

SUSAN RUPP NANNY, Ed.D., Director
 CHARLOTTE KIEWIET, B.A., Assistant Director
 CHRISTINE SCHROERS, B.A., Technical Assistant

Summer Sessions and Special Programs

JOHN H. LEFFLER, Ed.D., Director

ADMINISTRATION

HARRY SCHUCKEL, M.B.A., Senior Vice President for Administration
 DONALD D. CIPULLO, B.B.A., C.P.A., Vice President for Finance and Treasurer
 TIMOTHY R. CAREY, Ed.D., Director, Continuous Quality Improvement, Executive Assistant to the Senior Vice President

Budget and Planning

DAVID JOSEPHSON, M.A., Director, Budget and Planning
 JANICE VUOLO, M.B.A., Assistant Director, Budget and Planning

Facilities and Business Operations

KRISTIE L. O'NEILL, B.S., Executive Assistant
Architectural and Engineering Services
 DOUGLAS W. COOPER, B.A., Director
 WALTER KANZLER, AIA, M. Arch., Project Manager
 REBECCA MIDDLETON, B.S., Architectural Assistant
 RON PLACE, B.S., Project Manager
 BARBARA ROMAN, B.S., Administrative Assistant

Auxiliary Enterprises

NANCY G. CARVER, B.A., Director
 KEVIN RAKOWSKY, M.S., Assistant Director
 GLORIA FREELAND, Administrative Assistant
 RICHARD AMMERMAN, Director, University Store
 DORA LIM, B.S., General Manager, Dining Services

Environmental Health and Safety

AMY FERDINAND, M.S., Director

Facilities Management

SEMMY JU, M.A., Associate Vice President

Physical Plant

KIKI WILLIAMS, M.S., Director
 EDWARD C. OBERHOFER, B.A., Associate Director

Purchasing

ANTONIO MEJIDO, M.B.A., M.S., Director

Finance and Treasurer

DONALD D. CIPULLO, B.B.A., C.P.A., Vice President for Finance and Treasurer

Accounting and Financial Services

CHERI JEFFERSON, B.S., Assistant Director
 LINDA MIOZZI, B.S.A., Assistant Director

Controller/Accounting

RUTH A. SHAW, B.S., C.P.A., Controller
 ANGELO M. PARENTE, M.B.A., Assistant Controller

Information Technology Administration

EDWARD V. CHAPEL, Ph.D., Associate Vice President

ROY ROPER, Ph.D., Associate Director

Technology Solutions Center

BRIDGET LEPORE, B.S., Manager
 Technology Training and Integration
 MARY PIERSON, B.A., Manager Customer Assistance Group

Systems and Networking

JEFFREY GIACOBBE, M.S., Interim Director

Management Information Systems

SCOTT ORENSTEIN, Interim Director

Institutional Research

JANE ZEFF, Ph.D., Director,
 (To Be Appointed), Assistant Director

HUMAN RESOURCES

JUDITH HAIN, M.S., Vice President for Human Resources
 JOANNE WALSH, B.S., Position Control Analyst
 MARC SEMLER, M.A., M.S., HRS Database Manager

Employee Benefits

JOANNE WALE, A.A.S., Coordinator

Employee Relations

GILBERT RIVERA, M.P.A., Director, and Executive Assistant to the Vice President for Human Resources

Equal Opportunity/Affirmative Action

BARBARA J. MILTON, M.H.S., Equal Opportunity/Affirmative Action Officer

Payroll Services

ANN TURRIZIANI, Director

Staffing Services

CATHERINE BONGO, M.B.A., Director for Unclassified Staffing
 SHENITA BROKENBURR, M.B.A., M.A., Director for Classified Staffing

STUDENT DEVELOPMENT AND CAMPUS LIFE

KAREN L. PENNINGTON, Ph.D., Vice President for Student Development and Campus Life
 LOUIS ANDERSON, M.A., Executive Assistant to the Vice President
 MELINDA O'BRIEN, Ed.D., Director of Divisional Research and Grants

Academic Success Center

REGINALD GALEN ROSS, Ph.D., Associate Dean for Enrollment Management/Retention Services

Academic Support

EILEEN BRUCK, M.A., Director

Academic Advising

GAIL FEINBLOOM, Ed.M., Associate Director
 IRIS D. BARRIERA, M.A., Advisor
 GABRIELLA DIVIRGILIO, M.A., Advisor

YVETTE HALL, M.S., Advisor
ERIC MOSKOVITZ, Advisor
LAURA E. WOODSON, M.A., Advisor

Tutorial Services

GERALDINE BARLOW, M.A., Director

Admissions

DENNIS CRAIG, M.A., Director
FRANK C. ERDMAN, M.A., Associate Director
WILLIAM M. WELSCH, M.A., Associate

Director

LISA KASPER, M.A., Associate Director
ABIE FLIPPEN-SMITH, B.A., Assistant Director
JIMMY LUCIANO, M.P.A., Assistant Director
ELIZABETH A. HARRISON, B.A., Assistant

Director

TIM SIMMONS, B.A., Admissions Counselor

Campus Recreation and Intramural Programs

STEVE SMITH, M.A., Director
KEITH FONSECA, M.S., Assistant Director
ALICEA AMBURN, B.A., Fitness Coordinator

Career Development

CAROLYN JONES, M.A., Director
MARALYN KINCH, M.A., Assistant Director

Dean of Students

HELEN MATUSOW-AYRES, Ed.D., Dean of
Students

JAMES E. HARRIS, M.A., Associate Dean of
Students for Student Development
MARGAREE COLEMAN-CARTER, M.A.,
Associate Dean of Students for Student Life
HAYDEN GREENE, B.B.A., Advisor for
Fraternities and Sororities

Educational Opportunity Fund

MICHAEL S. BROWN, SR., M.A., Director
BERTHA M. DIGGS, M.A., Associate Director
CARMEN REYES-CUEVAS, M.A., Assistant
Director

KENNETH LUVAI, M.A., Counselor, Academic
Advisor EOP

DELORES McMORRIN, J.D., Coordinator
Legal Studies-PASS

THOMAS PURYEAR, M.A., Electronic Learning
Coordinator, Counselor

DORIS V. REAVIS, M.A., Counselor, PASS

LORRAINE WHITAKER, M.A., Counselor,
Academic Advisor

Financial Aid

BRYAN TERRY, Ed.D., Director
ROBERT G. BAYLOR, M.A., Assistant Director
ZOFIA E. KOZAK, B.A., Assistant Director
LUCY CANDAL-FERNANDEZ, B.A., Financial
Aid Counselor

IFEYINWA OKOBI, B.A., Financial Aid
Counselor

LESLIE Z. SAMUELS, B.A., Financial Aid
Counselor

Health and Wellness Services

SUSAN SKALSKY, M.D., Director
DONNA BARRY, M.S.N., Associate Director
TODD WEINMAN, Psy.D., Associate Director
EMMA CANTO, R.N.
MELISSA MECKA, N.P.
CHRISTOPHER CANNARA, R.N.
BEN BRENNAN, Psy.D., Psychologist
JACLYN FRIEDMAN-LOMBARDO, Psy.D.,
Psychologist

DIEDRE NARCISSE, Psy.D., Psychologist
EMILY SOMMERMAN, Psy.D., Psychologist

Service for Students with Disabilities

LINDA SMITH, M.A., Coordinator

International Services

JACQUELINE LEIGHTON, M.A., Director

New Student Experience

FELICIA MCGINTY, Ed.D., Director
JAMELE ADAMS, M.A., First Year
Counselor
DAWN MARIE DOWD M.A., First Year
Counselor
PATIENCE MASON, M.A., First Year
Counselor
SHANE WILLIAMSON, M.A., First Year
Counselor

Academic Needs Assessment

JAMAL A. SHAHIN, B.A., Interim Director

Registrar

DENISE M. De BLASIO, M.A., Registrar
DIANNE L. RIVETTI, M.A., Associate
Registrar
DINA GENOVESE-WITTNER, B.A., Assistant
Registrar
JUNE GIARDINA, M.A., Assistant Registrar
LORENZO DWAYNE HARRIS, M.A.,
Assistant Registrar
JOAN JOHNSON, M.A., Assistant Registrar
EMILY-ELLEN B. MUDRYK, M.A., Assistant
Registrar
CARLA-MARIE RATICO, B.A., Assistant
Registrar

Residence Life

(To Be Appointed), Director
CARLYLE LAWRENCE, M.A., Associate
Director
PHYLLIS BLANCK, M.A., Assistant Director for
Financial Services
ROBERTA GARRETT, B.A., Director, Clove
Road Apartments
DEBORAH CLOGHER, M.A., Director, Russ/
Freeman Complex
TERRY SLAUGHTER, M.A., Director, Bohn
Hall

Student Activities

FATIMA DeCARVALHO, M.S., Director
GREG BROWN, M.Ed., Evening and Weekend
Program Coordinator
RICK BROWN, M.Ed., Director, Student
Leadership Programs

Student Center

MARGAREE COLEMAN-CARTER, M.A.,
Associate Dean of Students for Student Life
MARSHA CAMPBELL-YOUNG, B.S.,
Scheduling Officer

University Police

PAUL CELL, B.S., Chief
MICHAEL POSTASKI, Lieutenant

Veterans' Services

ROBERT BAYLOR, M.A., Assistant Director of
Financial Aid

Women's Center

ESMILDA ABREU, M.S., Director

UNIVERSITY ADVANCEMENT

GREGORY L. WATERS, Ph.D., Vice President
for University Advancement
CYNTHIA LEPRE BARNES, B.A., Executive
Assistant to the Vice President for University
Advancement and Director of Development
ANA GOMEZ, B.A., Program Assistant

Academically Gifted/Talented Youth Programs

RICHARD O. TAUBALD, Ph.D., Director
STEVEN NASH, M.A., Assistant Director

Alumni Relations

DEBORAH CORASIO, B.A., Program Assistant

Annual Giving

BARBARA KRUSKO, B.A., Director

Communications

PHYLLIS MILLER, M.A., Director
CINDY L. MENEGHIN, B.A., Web Manager

Community Relations and Special Events

JULIE M. ADAMS, B.A., Director

Development Research

JENNIFER HIGGINS, B.A., Coordinator

Intercollegiate Athletics

HOLLY GERA, M.S., Director
TRUDE WOLFARTH, Associate
ANITA KUBICKA, M.S., Assistant Director and
Head Coach, Softball
GERALD BENSON, B.A., Head Coach, Track
and Field and Cross Country
ROBERT CHESNEY, M.A., Associate Director
of Athletics
JOHN DAVIS, M.S., Head Athletic Trainer
CYNTHIA DORMAN, B.S., Assistant Athletic
Trainer

TED FIORE, M.A., Head Coach, Men's
Basketball

ENRICO GIANCOLA, B.A., Head Coach,
Football and Assistant Coach, Baseball

JAMIE HOFFMAN, B.A., Head Coach, Women's
Basketball

BRIAN McLAUGHLIN, M.Ed., Head Coach,
Swimming/Women's Tennis

JOSEPH MULVANEY, B.S., Facility Manager
and Camp Coordinator

RICHARD O'CONNOR, M.A., Assistant Coach,
Football/Baseball

TARA NICHOLS RIENECKER, M.Ed.,
Academic Advisor for Athletics

NORMAN SCHOENIG, B.S., Head Coach,
Baseball

BRIAN SENTOWSKI, B.A., Head Coach, Men's
Soccer

Major Gifts

NANCY HUTCHINSON, M.A., Director
SARAH COMERFORD, Development Officer/
Corporate and Foundation Relations

Public Information

ROBERT QUARTERONI, M.A., Director
DIANA St. LIFER, B.A., Director of Periodicals
MICHAEL PETERS, A.A.S., University
Photographer

Publications

GARRY RIDEOUT, B.A., Director
ANN GEL FAIRLIE, B.A., Assistant Director
BILL VALLADARES, B.A., Copy Editor

Sports Information

MICHAEL J. SCALA, B.A., Director
ROMAN J. USCHAK, B.A., Assistant Director

ACCOUNTING, LAW, AND TAXATION

- FRANK J. AQUILINO, M.B.A., B.B.A., St. John's University; C.P.A., State of New York
- CHIAHO CHANG, Ph.D., New York University; M.S., University of Illinois; B.S., National Taiwan University (Taiwan)
- IRENE K. DOUMA, Ph.D., Baruch College, CUNY; M.B.A., Rutgers, The State University; B.S. (Accounting), B.S. (Secondary Education), Fairleigh Dickinson University; C.P.A., State of New Jersey
- NASHWA GEORGE, Ph.D., M.B.A., Baruch College; M.A. Cairo University (Egypt)
- WILLIAM C. LANG, B.A., Lehigh University; C.P.A., State of New York
- JOSEPH L. LIPARI, M.B.A., Fairleigh Dickinson University; B.S., Montclair State University; C.P.A., State of New Jersey
- LEO J. McMENIMEN, Ph.D., M.S., B.S., Pennsylvania State University; C.P.A., States of New Jersey and New York
- RAMESH NARASIMHAN, Ph.D., Virginia Polytechnic Institute and State University; M.B.A., The State University of West Georgia; DFM, B.S., University of Bombay (India); C.P.A. (Delaware); C.M.A.; C.I.A.
- JO ANN PINTO, Ph.D., Rutgers, The State University; M.B.A., M.A., Montclair State University; B.S., Virginia Polytechnic Institute and State University; CPA, State of New Jersey
- WING W. POON, Ph.D., Louisiana State University; M.S., California State University; M.A., University of California; C.P.A., (Illinois)
- JAMES G. YANG, M.Ph., M.B.A., New York University; M.S., Utah State University; B.A., National Taiwan University (Taiwan); C.P.A., State of New Jersey; C.M.A.

ANTHROPOLOGY

- JAMES BOYLAN, Ph.D., M.A., B.A., Wayne State University
- KENNETH H. BROOK, Ph.D., CUNY; M.A., B.A., Hunter College
- MARCHA P. FLINT, Ph.D., CUNY; M.A., New York University; B.A., Hunter College
- RICHARD W. FRANKE, Ph.D., B.A., Harvard University
- JEFF MASKOVSKY, Ph.D., M.A., Temple University; B.A., Rutgers, The State University
- ANDREW MAXWELL, Ph.D., M.A., Boston University; B.A., Ohio University
- MAURIE SACKS, Ph.D., Columbia University; B.A., Queens College

ART AND DESIGN

- PETER G. BARNET, Ed.D., M.A., B.A., New York University
- J. CATHERINE BEBOUT, M.F.A., Rochester Institute of Technology; B.A., State University of New York at Oswego
- ROBERT BROWNING, Ed.D., M.A., Columbia University; B.S., SUNY at Oswego
- SUSI COLIN, Ph.D., University of Hamburg (West Germany)
- JOHN CZERKOWICZ, M.F.A., Rutgers, The State University; M.A., B.F.A., University of New Mexico
- NANCY GOLDRING, M.A., New York University; B.A., Smith College
- SCOTT GORDLEY, M.F.A., Tufts University; B.F.A., Ringling School of Art; B.F.A., Bowling Green State University

- MARTIN L. GREENWALD, Ed.D., New York University; M.S., CCNY; B.S., B.A., New York University
- DOROTHY HEARD, Ph.D., M.F.A., M.A., University of Iowa; M.A., B.F.A., University of the Arts
- JULIE HEFFERNAN, M.F.A., Yale School of Art and Architecture; B.F.A., University of California at Santa Cruz
- PATRICIA LAY, M.F.A., Rochester Institute of Technology; B.S., Pratt Institute
- LINDA LEVINSON, M.F.A., University of California at Los Angeles; B.F.A., School of the Art Institute of Chicago
- JOHN C. LUTTROPP, M.F.A., Syracuse University; B.F.A., Milwaukee Institute of Art and Design, Inc.
- WILLIAM MCCREATH, M.F.A., Cranbrook Academy of Art; B.F.A., University of Manitoba School of Art; Diploma, Teachers College, Dundee, Scotland
- DARYL JOSEPH MOORE, M.F.A., Syracuse University; B.F.A., Pratt Institute
- KLAUS SCHNITZER, M.F.A., Ohio University; B.A., SUNY at Albany
- MICHAEL SIPORIN, M.F.A., B.A., Southern Illinois University
- WALTER SWALES, M.F.A., Cranbrook Academy of Art; B.A., Temple University
- ELIZABETH VALDEZ del ALAMO, Ph.D., M.Phil., M.A., Columbia University; M.A.T., Yale University; B.A., Sarah Lawrence College
- ANNE BETTY WEINSHENKER, Ph.D., M.A., Columbia University; B.A., Barnard College
- CAROL WESTFALL, M.F.A., Maryland Institute College of Art; B.F.A., Rhode Island School of Design

BIOLOGY AND MOLECULAR BIOLOGY

- SANDRA DAISE ADAMS, Ph.D., Georgia State University; Ph.D., University of Pittsburgh; M.Ed., Georgia State University; B.S.A., University of Georgia
- JAMES CAMPANELLA, Ph.D., Case Western Reserve University; M.S., B.A., University of Chicago
- ANN MARIE Di LORENZO, Ph.D., M.S., New York University; B.A., Trinity College
- JOHN J. GAYNOR, Ph.D., M.S., Rutgers, The State University; B.S., St. Joseph's College
- REGINALD HALABY, Ph.D., M.Phil., CUNY; B.A., Boston University
- SCOTT L. KIGHT, Ph.D., Indiana University; M.S., Eastern Illinois University; B.S., Southern Illinois University
- STEPHEN J. KOEPP, Ph.D., M.A., North Texas State University; B.A., Messiah College
- JOHN K. KORKY, Ph.D., University of Nebraska; M.S., University of Texas at El Paso; B.S., Wagner College
- LEE H. LEE, Ph.D., CUNY; M.S., Hunter College; B.S., National Taiwan University (Taiwan)
- BONNIE K. LUSTIGMAN, Ph.D., Fordham University; M.S., Fairleigh Dickinson University; B.A., Hunter College
- JON MICHAEL MCCORMICK, Ph.D., M.S., Oregon State University; B.S., Portland State University
- JUDITH A. SHILLCOCK, Ph.D., M.S., B.A., Rutgers, The State University
- JOHN A. SMALLWOOD, Ph.D., The Ohio State University; M.S., B.A., Miami University
- QUINN CHEYNEY VEGA, Ph.D., University of California, San Diego; B.S., University of California, Irvine

- DIRK W. VANDERKLEIN, Ph.D., University of Minnesota; M.S., B.S., University of Washington

BROADCASTING

- THOMAS F. GENCARELLI, Ph.D., New York University; M.A., Queens College, City University of New York; B.F.A., New York Institute of Technology
- LAWRENCE J. LONDINO, Ph.D., University of Michigan; M.S., Brooklyn College; B.A., Seton Hall University
- DAVID SANDERS, Ph.D., M.A., B.S., New York University

CHEMISTRY AND BIOCHEMISTRY

- HANI Y. AWADALLAH, M.S., Bowling Green State University; B.S., Cairo University
- BRANT J. CHAPMAN, Ph.D., B.S., Clemson University
- PAMELA J. DELANEY, Ph.D., Georgetown University; B.Sc., University of Capetown
- DAWN I. DEL CARLO, Ph.D., Purdue University; B.S., Augustana College
- SALIYA A. DESILVA, Ph.D., University of Minnesota; B.S., University of Colombo (Sri Lanka)
- JAMES H. DYER, Ph.D., Kansas State University; B.A., University of Kansas
- BRIAN D. HUMPHREY, Ph.D., Princeton University; B.S., St. Joseph's College
- JOHN L. ISIDOR, Ph.D., University of North Carolina; B.S., Stonehill College
- MARC L. KASNER, Ph.D., Purdue University; B.S., California State University at Long Beach
- RICHARD A. LYNDE, Ph.D., Iowa State University; A.B., Hamilton College
- MARK A. WHITENER, Ph.D., Harvard University; B.S., Southern Methodist University

CLASSICS AND GENERAL HUMANITIES

- ADITYA ADARKAR, Ph.D., M.A., University of Chicago; B.A., Princeton University
- JEAN ALVARES, Ph.D., M.A., University of Texas; B.A., University of Florida
- SULOCHANA R. ASIRVATHAM, Ph.D., M.A., Columbia University; B.A., Barnard College
- MARY C. ENGLISH, Ph.D., M.A., Boston University; B.A., College of the Holy Cross
- TIMOTHY RENNER, Ph.D., M.A., University of Michigan; B.A., Yale University
- VICTORIA TIETZE LARSON, Ph.D., McMaster University; M. Litt., B.A., Oxford University (England)
- STANLEY L. WALLING, Ph.D., M.A., Tulane University; B.A., University of Pennsylvania

COMMUNICATION SCIENCES AND DISORDERS

- JOSEPH S. ATTANASIO, Ph.D., New York University; M.A., B.A., Montclair State College
- MARY BOYLE, Ph.D., M.A., Northwestern University; B.S., University of Massachusetts-Amherst
- GERARD CARACCILO, Ed.D., Teachers College, Columbia University; M.A., B.A., Montclair State College
- EMMA E. CORTESE, Ph.D., New York University; M.A., Montclair State University; B.A., Wagner College
- SARITA EISENBERG, Ph.D.; CUNY; M.A., Temple University; B.S., Emerson College

COMMUNICATION STUDIES

- WAYNE BOND, Ph.D., Southern Illinois University; M.A., West Virginia University; B.A., Alderson-Broadus College
- MICHAEL L. KENT, Ph.D., Purdue University; M.S., University of Oregon; B.A., University of Alaska, Fairbanks
- CHRISTINE LEMESIANOU, Ph.D., Rutgers, The State University; M.A., B.A., Adelphi University

COMPUTER SCIENCE

- GEORGE E. ANTONIOU, Ph.D., National University of Athens; M.S., Villanova University; B.S., Fairleigh Dickinson University; B.S., New York Institute of Technology
- JAMES W. BENHAM, Ph.D., Ohio State University; M.S., Stevens Institute of Technology; B.A., Ohio Wesleyan University
- EDWARD A. BOYNO, Ph.D., M.S., Rutgers, The State University; M.S., Stevens Institute of Technology; B.A., St. Peter's College
- CARL E. BREDLAU, Ph.D., M.S., B.A., Rutgers, The State University; M.S., Stevens Institute of Technology
- DOROTHY R. DEREMER, Ph.D., New York University; M.S., Stevens Institute of Technology; M.A., B.A., Montclair State University
- KOSI DELALI EDOH, Ph.D., M.Sc., Simon Fraser University (Canada); B.Sc. and Diploma, University of Cape Coast (Ghana)
- ANGEL GUTIERREZ, Ph.D., M.S., Universidad Complutense Madrid (Spain); Ph.D., University of Minnesota; M.S., Fairleigh Dickinson University
- HACI-MURAT HUBEY, Ph.D., University of New Hampshire; M.S., Stevens Institute of Technology; M.S., B.S., New Jersey Institute of Technology
- JOHN JINGFU JENQ, Ph.D., M.S., University of Minnesota; B.Ed., National Chunghua University of Education (Taiwan)
- HUBERT A. JOHNSON, Ed.D., Ed.M., Columbia University; M.S., B.S., Central Connecticut University
- DAJIN WANG, Ph.D., M.S., Stevens Institute of Technology; B. Eng., Shanghai University of Science and Technology (China)
- ROMAN ZARITSKI, Ph.D., M.S., State University of New York-Buffalo; M.A., Moscow Institute of Electronics and Mathematics-Computer Science, (Russia)

COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

- LOUIS R. CENTOLANZA, Ed.D., Rutgers, The State University; M.A., Montclair State College; B.A., Kean College
- KATHY A. GAINOR, Ph.D., Michigan State University; M.A., Boston College; B.A., Waynesburg College
- RICHARD A. GREY, Ed.D., Fordham University; M.A., Montclair State College; B.S., Winston-Salem Teachers College
- ARLENE KING, Ph.D., Fordham University; M.A., Montclair State College; B.A., New York University
- FRANK P. MERLO, Ed.D., Rutgers, The State University; M.A., B.A., Montclair State College
- JUDITH E. MINIER, Ed.D., University of North Dakota; M.S., B.S., St. Cloud University

- GLORIA PIERCE, Ed.D., M.A., Columbia University; M.A., Fairleigh Dickinson University; B.A. Rutgers, The State University

- TETE H. TETENS, M.A., Columbia University; B.S., Union College
- DAVID E. WEISCHADLE, Ed.D., Ed.M., B.S., Rutgers, The State University

CURRICULUM AND TEACHING

- LEAH BEAUCHAMP, Ph.D., M.S., Syracuse University; B.A., Whittier College
- CATHERINE A. BECKER, Ph.D., New York University; M.A., M.B.A., B.A., Montclair State College
- ADA BETH CUTLER, Ed.D., Ed.M., Harvard University; B.A., Barnard College
- WANDALYN ENIX, Ed.D., Temple University; M.A., Lehigh University; B.A., Howard University
- JUAN-MIGUEL FERNÁNDEZ-BALBOA, Ed.D., University of Massachusetts-Amherst; M.A., B.A., University of Barcelona (Spain)
- ELAINE FINE, Ed.D., Teachers College, Columbia University; M.A., CCNY; B.A., Queens College
- REBECCA A. GOLDSTEIN, Ph.D., M.S., University of Rochester; B.A., Bucknell University
- PERRY GREENE, Ph.D., M.A., B.S., New York University
- DAVID KEISER, Ph.D., University of California at Berkeley; M.A., San Francisco State University; B.A., University of Michigan
- ROBERT A. PINES, Ed.D., University of Miami; M.S., Rutgers, The State University; B.S., Monmouth College
- JENNIFER J. ROBINSON, Ed.D., M.A., M.Ed., Columbia University; B.A., Northwestern University
- CLAIRE TAUB, D. Arts, Adelphi University; M.S., Pennsylvania State University; B.S., Brooklyn College
- MONICA TAYLOR, Ph.D., University of Arizona; M.S., City College of New York; B.A., University of Pennsylvania
- NANCY R. TUMPOSKY, Ed.D., M.Ed., SUNY at Albany; B.A., Manhattanville College
- ANA MARIA VILLEGAS, Ph.D., New York University; M.S., Hunter College; B.S., St. Peter's College
- VINCENT J. WALENCIK, Ed.D., Rutgers, The State University; M.A., B.S., Montclair State College
- RICHARD WOLFSON, Ph.D., M.A., The Ohio State University; B.S., CCNY

EARLY CHILDHOOD AND ELEMENTARY EDUCATION

- JOANNE COTE-BONANNO, Ph.D., Seton Hall University; M.A., B.A., Montclair State University
- NANCY J. LAUTER, Ed.D., Boston University; M.A., Columbia University; B.A., Connecticut College
- FRAN GREB, Ed.D., St. John's University; M.A., Newark State College; B.S., Boston University
- EDWARD M. GREENE, Ph.D., Indiana State University; M.A., Pacific Oaks College; B. Mus., DePauw University
- LIZ KENDALL, M.T.S., Drew University; B.A., Glassboro College
- DINA ROSEN, Ph.D., New York University; M.A., Wagner College; B.A., Smith College
- LUCILLE WEISTUCH, Ph.D., Yeshiva University; M.A., B.S. Ed., CCNY

EARTH AND ENVIRONMENTAL STUDIES

- RENATA J. BAILEY, Ph.D., University of Saskatchewan (Canada); B.Sc., McMaster University (Canada)
- HOWARD R. BALLWANZ, M.S. Ed., B.S., Northern Illinois University
- HUAN FENG, Ph.D., SUNY, Stony Brook, M.S., Florida Institute of Technology; B.S., Xiamen University (China)
- ZHAODONG FENG, Ph.D., University of Kansas; M.S., University of Washington; M.S., B.S., Lanzhou University (China)
- MATTHEW GORRING, Ph.D., Cornell University; M.A., Binghamton University; B.S., University of Delaware
- MICHAEL ANTHONY KRUGE, Ph.D., M.A., University of California, Berkeley; B.A., San Francisco State University
- JONATHAN M. LINCOLN, Ph.D., Northwestern University; M.A., B.A., Boston University
- DUKE U. OPHORI, Ph.D., University of Alberta (Canada); M.Sc., University of Waterloo (Canada); B.Sc., University of Ibadan (Nigeria)
- GREGORY A. POPE, Ph.D., M.A., Arizona State University; B.A., University of Colorado
- HARBANS SINGH, Ph.D., M.A., Rutgers, The State University; M.A., Punjab University (India)
- WILLIAM D. SOLECKI, Ph.D., M.A., Rutgers, The State University; A.B., Columbia University
- ROLF STERNBERG, Ph.D., Syracuse University; M.A., Clark University; B.A., Ursinus College
- ROBERT W. TAYLOR, Ph.D., St. Louis University; B.A., Washington University
- JOHN V. THIRUVATHUKAL, Ph.D., Oregon State University; M.S., Michigan State University; B.S., St. Louis University

ECONOMICS AND FINANCE

- AHMET BAYTAS, Ph.D., CUNY; M.S., University of Illinois at Champaign; B.A., Bogazici University (Turkey)
- CHANDANA CHAKRABORTY, Ph.D., Rensselaer Polytechnic Institute; M.A., B.A., Jadavpur University (India)
- SURESH DESAI, Ph.D., M.A., University of California-Los Angeles; Ph.D., L.L.B., M.A., B.A., Gujarat University (India)
- HAROLD FLINT, Ph.D., M.A., Southern Illinois University; B.A., Western Kentucky University
- SANG-HOON KIM, Ph.D., University of Wisconsin (Madison); M.B.A., University of Wisconsin (Milwaukee); LL.M., B.A., Korea University (Seoul)
- SERPIL LEVEEN, Ph.D., New York University; M.A., Southern Illinois University; B.A., University of Ankara (Turkey)
- PHILLIP LeBEL, Ph.D., M.A., Boston University; B.A., Washington College
- RICHARD LORD, Ph.D., M.B.A., University of Georgia; B.S., Georgia Institute of Technology
- SEDDIK MEZIANI, Ph.D., Rensselaer Polytechnic Institute; M.B.A., New York University; B.S., University of Constantine, (Algeria)
- KAMROUZ PIROUZ, Ph.D., University of Hawaii; M.B.A., Rutgers, The State University; B.S., University of Wisconsin, Oshkosh
- GLENVILLE RAWLINS, Ph.D., New York University; M.A., Howard University; B.A., University of West Indies

FARAHMAND REZVANI, Ph.D., CUNY; M.A., Roosevelt University; B.S., Pahlavi University (Iran)
 CECILIA WAGNER RICCI, Ph.D., University of Interantiaonal Business and Economics, Beijing (China); M.B.A., Seton Hall University; B.A., SUNY at Brockport
 HERMANN SINTIM-ABOAGYE, Ph.D., University of New Orleans; M.B.A., Tulane University; B.A., University of Ghana (Ghana)
 IRA SOHN, Ph.D., M.A., New York University; B.A., Brooklyn College
 NILUFER USMEN, Ph.D., CUNY; M.A., B.A., Bogazici University (Turkey)
 ZAMAN ZAMANIAN, Ph.D., Indiana University; M.A., St. Mary's University; B.A., National University of Iran

EDUCATIONAL FOUNDATIONS

GEORGE BERNSTEIN, Ed.D., M.A., Teachers College, Columbia University; B.A., Rutgers, The State University
 HELENE S. CROSS, Ph.D., University of Pennsylvania; M.A., Beaver College, B.A., Pennsylvania State University
 MAUGHN GREGORY, Ph.D., Iberoamericana University; M.A., University of Hawaii; J.D., J. Ruben Clark Law School; B.A., Brigham Young University
 JAIME GRINBERG, Ph.D., Michigan State University; M.A., Eastern Michigan University; B.A., The Hebrew University of Jerusalem (Israel)
 DAVID KENNEDY, Ed.D., University of Kentucky; M.S., Eastern Montana College; B.A., Luther College
 MEGAN LAVERTY, Ph.D., University of New South Wales (Australia); M.A., B.A., University of Melbourne (Australia)
 TAMARA LUCAS, Ph.D., M.A., Stanford University; M.A., San Francisco State University; B.A., Centre College of Kentucky
 ANN MARGARET SHARP, Ed.D., University of Massachusetts; M.A., Catholic University of America; B.A., College of New Rochelle
 MARK L. WEINSTEIN, Ph.D., The City University of New York; M.A., The City College of New York; B.A., Brooklyn College

ENGLISH

FAWZIA AFZAL-KHAN, Ph.D., M.A., Tufts University; B.A., Punjab University (India)
 PAUL ARTHUR, Ph.D., M.A., New York University; B.A., Tufts University
 THOMAS BENEDIKTSSON, Ph.D., University of Washington; B.A., Trinity University
 DANIEL BRONSON, Ph.D., University of Pennsylvania; A.B., Harvard University
 SUSAN A. COLE, Ph.D., M.A., Brandeis University; B.A., Barnard College, Columbia University
 JANET K. CUTLER, Ph.D., M.A., University of Illinois, Champaign-Urbana; B.A., The University of Chicago
 PATRICK DEER, Ph.D., M.Phil., M.A., Columbia University; B.A., Balliol College, Oxford University (United Kingdom)
 MONIKA ELBERT, Ph.D., M.A., Rutgers, The State University; B.A., Douglass College, Rutgers, The State University
 GROVER C. FURR, Ph.D., M.A. Princeton University; B.A., McGill University
 RON HOLLANDER, M.A., Rutgers, The State University; A.B., Brandeis University
 EMILY J. ISAACS, Ph.D., M.A., University of Massachusetts, Amherst; B.A., Colby College

RITA D. JACOBS, Ph.D., M.A., University of Pennsylvania; B.A., Queens College
 SARA JONSSBERG, Ed.D., University of Massachusetts; M.A., Johns Hopkins University; B.A., Mt. Holyoke College
 LEE C. KHANNA, Ph.D., M.A., Columbia University; B.A., Denison University
 SHARON LEWIS, Ph.D., M.A., B.A., Rutgers, The State University
 NAOMI C. LIEBLER, Ph.D., M.A., SUNY at Stony Brook; B.A., City College of New York
 DEENA LINETT, Ed.D., Ed.M., Rutgers, The State University; A.B., Boston University
 SARA McWILLIAMS, Ph.D., M.A., University of Washington; B.A., University of Oregon
 HIRAM PEREZ, Ph.D., M.A., Columbia University; B.S., B.A., University of Miami
 ALYCE SANDS MILLER, Ph.D., M.A., Pennsylvania State University; B.A., Hunter College
 JAMES F. NASH, Ph.D., M.A., University of Virginia; B.A., LaSalle University
 THEODORE PRICE, Ph.D., Rutgers, The State University; M.A., Columbia University; B.A., Kenyon College
 MORTON D. RICH, Ph.D., New York University; M.Ed., Rutgers, The State University; B.A., Cornell University
 LAWRENCE SCHWARTZ, Ph.D., Rutgers, The State University; M.A., Stanford University; B.S., Newark College of Engineering
 ART SIMON, Ph.D., M.A., New York University; B.A., University of Wisconsin
 KEITH D. SLOCUM, Ph.D., M.A., University of Pennsylvania; B.A., Knox College
 RUTH BAYARD SMITH, Ed.M., Harvard University; B.A., Barnard College
 CAROLE B. STONE, Ph.D., Fordham University; M.A., Rutgers, The State University; B.A., New York University
 DAVID M. STUEHLER, Ph.D., M.A., New York University; B.A., Rutgers, The State University
 GREGORY L. WATERS, Ph.D., M.A., Rutgers, The State University; A.B., Georgetown University
 PAM HOLLANDER, Ed.D., University of Massachusetts, Amherst; M.Ed., Rutgers, The State University; B.A., State University of New York at Binghamton
 ROBERT WHITNEY, Ph.D., New York University; M. Div., Chicago Theological Seminary; B.A., University of New Hampshire

FRENCH, GERMAN, AND RUSSIAN

BETTINA BRANDT, Ph.D., Harvard University; M.A., B.A., The University of Utrecht (The Netherlands)
 ELIZABETH EMERY, Ph.D., M.Phil., M.A., New York University; B.A., Wellesley College
 KATHLEEN LOYSEN, Ph.D., M.A., New York University; B.A., Boston College
 DANIEL MENGARA, Ph.D., M.A., University of Nice (France); M.A., Illinois State University; B.A., University Omar Bongo (Gabon)
 LOIS OPPENHEIM, Ph.D., M.A., B.A., New York University
 RABIA REDOUANE, Ph.D., University of Toronto (Canada); M.A., B.A., Laval University (Canada)
 ERNESTINE SCHLANT, Ph.D., M.A., B.A., Emory University
 CAROLINE SCIELZO, Ph.D., M.A., New York University; B.A., Barnard College

KAY S. WILKINS, Ph.D., B.A., University of Southampton (England)

HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

REE K. ARNOLD, Ed.D., Columbia University; M.Ed., Miami University; B.S., Valparaiso University
 MARY JO BELENSKI, Ed.D., Ed.M., Rutgers, The State University; B.A., Fairleigh Dickinson University
 MICHAEL S. DAVIDSON, Ed.D., M.Ed., M.A., Columbia University; B.A., Brown University
 DOMENICA DESIDERIOSCIOLI, Ed.D., New York University; M.S., B.S., Brooklyn College
 JERRY G. DICKASON, Ph.D., M.A., New York University; B.S., Indiana University
 JOSEPH DONNELLY, Ph.D., M.S., B.S., Southern Illinois
 JOAN FICKE, Ed.D., M.A., New York University; B.A., Montclair State College
 MICHELE FISHER, Ph.D., Springfield College, M.A., East Stroudsburg State College; B.A., Elizabethtown College
 MARSHA GRANT FORD, Ph.D., Temple University; M.Ed., University of Virginia; B.S., East Stroudsburg University
 ROB GILBERT, Ph.D., B.A., University of Massachusetts
 EVA GOLDFARB, Ph.D., M.A., University of Pennsylvania; B.A., Trinity College
 KLARA GUBACS, Ed.D., University of Massachusetts; M.A., Montclair State University; B.S., Hungarian University of Physical Education (Hungary)
 SUSANA JUNIU, Ed.D., M.Ed., B.S., Temple University
 MARK A. KAELEN, Ed.D., Teachers College, Columbia University; M.A., B.A., Montclair State College
 CAROLYN MASTERSON, Ed.D., M.A., Teachers College, Columbia University; B.S., College of Mt. St., Joseph
 DAVID MIDDLEMAS, Ed.D., Rutgers, The State University; M.A., University of Nebraska; B.S., Muhlenberg College
 SANDRA NAIPAUL, Ph.D., Ohio State University; M.B.A., Niagara University; B.S., SUNY at Buffalo
 JACK B. SAMUELS, Ed.D., M.Ed., Temple University; B.S., SUNY at Cortland
 SUSAN SCHWAGER, Ed.D., M.A., Columbia University; B.A., Hunter College
 REZA B. SHAHROKH, Ph.D., M.S., B.S., Southern Illinois University
 TIMOTHY F. SULLIVAN, M.S., Ithaca College; B.S., SUNY at Cortland
 WILLIAM SULLIVAN, Ed.D., M.Ed., M.A., Columbia University; B.A., Southern Illinois University
 RICHARD TOBIN, Ph.D., University of Maryland; M.A., B.A., East Carolina University
 SUSAN A. WESTON, Ed.D., Rutgers, The State University; M.A., Montclair State College; B.S., Russell Sage College

HISTORY

GEORGE C. BRETHERTON, Ph.D., M.A., B.S., Columbia University
 ROBERT E. CRAY, JR., Ph.D., M.A., B.A., SUNY at Stony Brook
 BENJAMIN LAPP, Ph.D., M.A., B.A., University of California, Berkeley

PETER F. MACALUSO, Ph.D., New York University; M.A., Seton Hall University; B.A., St. Bonaventure University
 JOSEPH T. MOORE, Ed.D., B.S., Rutgers, The State University; M.A., Montclair State College
 J. KENNETH OLENIK, Ph.D., M.A., Cornell University; M.A., Seton Hall University; B.S.S.S., John Carroll University
 PETER PASTOR, Ph.D., M.A., New York University; B.S., CCNY
 CARLA PETIEVICH, Ph.D., University of British Columbia (Canada); M.A., B.A., University of California, Berkeley
 JOEL SCHWARTZ, Ph.D., M.A., B.A., University of Chicago
 AMY GILMAN SREBNICK, Ph.D., SUNY at Stony Brook; M.A., B.A., University of Wisconsin
 MARTIN VALADEZ, Ph.D., M.A., Stanford University; B.A., University of California, Los Angeles
 LESLIE E. WILSON, Ph.D., CUNY Graduate School; M.A., Hunter College; M.P.S., B.A., Cornell University

HUMAN ECOLOGY

KATHLEEN BAUER, Ph.D., M.S., Rutgers, The State University; B.S., Northern Illinois University
 JOAN D. BERNSTEIN, Ed.D., M.A., Columbia University; B.A., Queens College
 CAROL BYRD-BREDBENNER, Ph.D., M.S., Pennsylvania State University; M.S., B.S., Florida State University
 JONATHAN CASPI, Ph.D., State University of New York; M.S.W., Hunter College of Social Work, C.U.N.Y.; B.A., New York University
 M. ELAINE FLINT, Ph.D., Pennsylvania State University; M.S., Southern Illinois University; B.A., Western Kentucky University
 KATIA PAZ GOLDFARB, Ph.D., Michigan State University; M.A., Eastern Michigan University; B.A., Hebrew University of Jerusalem (Israel)
 MARY E. HENRY, Ph.D., New York University; M.A., B.A., Montclair State College
 VIJAY JAISINGHANI, Ph.D., Iowa State University; B.S., B.Ed., Delhi University (India)
 MARTI KENNEDY, Ph.D., M.S., B.A., Texas Tech University
 DOREEN LIQU, Ed.D., M.Ed., M.S., Columbia University; B.S., New York University
 MARGARET R. MUKHERJEE, Ph.D., Rutgers, The State University; M.A., Michigan State University; B.S., Cornell University
 LINDA BOEHME REILLY, Ph.D., M.S., Pennsylvania State University; B.S., Purdue University
 JOHN SPECCHIO, Ph.D., M.S., B.S., Rutgers, The State University
 ANITA SUBRAMANIAM, Ph.D., M.S., Ohio State University; M.S., B.S., University of Madras (India)
 SHAHLA WUNDERLICH, Ph.D., Massachusetts Institute of Technology; M.S., American University of Beirut (Lebanon); B.S., Pahlavi University (Iran)

INFORMATION AND DECISION SCIENCES

HARVEY BLUMBERG, Ph.D., CUNY; M.B.A., Baruch College; B.B.A., CCNY

QIYANG CHEN, Ph.D., University of Maryland; M.S., China Academy of Space (China); B.S., National University of Defense Technology (China)
 ELEANOR J. FLANIGAN, Ed.D.; M.Ed., Temple University; B.A., Immaculata College
 KIMBERLY A. KILLMER, Ph.D., M.S.E., B.S.E., University of Pennsylvania
 NICOLE KOPPEL, Ph.D., Rutgers, The State University; M.S., Columbia University; B.S., Cornell University
 ROSEMARIE MCCAULEY, Ed.D., Fairleigh Dickinson University; M.A., Seton Hall University; B.A., Trenton State College
 ALAN J. OPPENHEIM, Ph.D., New York University; M.S., B.S., Polytechnic University
 RICHARD L. PETERSON, Ph.D., M.S., The Pennsylvania State University; B.S., Edinboro State University
 ZHONGXIAN WANG, Ph.D., Temple University; M.S., Harbin Institute of Technology (China); B.S., Taiyuan University of Sciences and Technologies (China)

LEGAL STUDIES

JACK BALDWIN-LECLAIR, Ed.S., Rutgers, The State University; J.D., University of Bridgeport; M.A., Rutgers, The State University; B.A., St. Anselm College
 NORMA C. CONNOLLY, J.D., New York Law School; M.A., University of Maryland; B.A., Rutgers, The State University
 REGINIA JUDGE, J.D., Seton Hall University; B.A., Montclair State University
 LENORE M. MOLEE, J.D., Seton Hall University; B.A., Gettysburg College
 BARBARA A. NAGLE, J.D., Seton Hall University; B.A., Montclair State University
 AVRAM B. SEGALL, J.D., New York Law School; B.S., University of Wisconsin
 MARILYN R. TAYLER, Ph.D., Rutgers, The State University; J.D., Seton Hall University; M.A., Hunter College; B.A., CCNY

LINGUISTICS

MARY E. CALL, Ph.D., M.A., University of Pittsburgh; B.A., Case-Western Reserve University
 EILEEN FITZPATRICK, Ph.D., M.A., New York University; B.A., Manhattanville College
 ALICE F. FREED, Ph.D., M.A., B.A., University of Pennsylvania
 TOSHIIHIDE NAKAYAMA, Ph.D., University of California at Santa Barbara; M.A., University of Kansas; B.A., Tokyo University of Foreign Studies (Japan)
 MILTON S. SEEGMILLER, Ph.D., M.A., New York University; B.A., Brooklyn College
 SUSANA SOTILLO, Ph.D., M.A., University of Pennsylvania; M.A., B.S., Temple University
 LONGXING WEI, Ph.D., University of South Carolina; M.A., University of Colorado at Boulder; M.A., East China Normal University; B.A., Shanghai Teachers' University (China)

LITERACY AND EDUCATIONAL MEDIA

TINA JACOBOWITZ, Ph.D., New York University; M.A., University of Wisconsin; B.A., Brooklyn College
 CYNTHIA ONORE, Ph.D., M.A., B.A., New York University
 DIERDRE GLENN PAUL, Ed.D., Teachers College, Columbia University; M.Ed., Lehman College, CUNY; B.A., University of Alabama

MARIA E. SCHANTZ, Ed.D., Columbia University; M.A., Montclair State College; B.S., Jersey City State College
 SHIRLEY STEINBERG, Ph.D., Pennsylvania State University; M.Ed., B.Ed., University of Lethbridge (Canada)
 JOY STONE, Ph.D., Fordham University; M.A., Montclair State College; B.A., Adelphi College
 ERIC WEINER, Ph.D., Pennsylvania State University; M.A., B.A., University of Massachusetts
 LINDA L. WISE, Ed.D., Columbia University; M.S. Ed., Lehman College, CUNY; A.B., Syracuse University

MANAGEMENT

MARK R. ALLYN, Ph.D., Stanford University; B.A., Oakland University
 EDWARD D. BEWAYO, D.P.A., SUNY at Albany; M.S., M.A., University of Wisconsin; B.A., University of Delhi (India)
 LENN GOMES, Ph.D., Florida International University; M.B.A., California State Polytechnic University; B.S.E.E., B.S., University of Canterbury, (New Zealand)
 L.L. JAYARAMAN, Ph.D., The Wharton School, University of Pennsylvania; B.A. of Textile Technology, Bombay University (India)
 EILEEN KAPLAN, Ph.D., Rutgers, The State University; M.A., New School for Social Research; B.A., Syracuse University
 JOAN D. MAHONEY, Ph.D., SUNY at Buffalo; M.B.A., Western New England College; B.S., North Adams State
 KATHRYN D. MARTELL, Ph.D., University of Maryland; B.A., University of Chicago
 BYUNG K. MIN, Ph.D., Pennsylvania State University; M.B.A., SUNY at Albany; B.A., Seoul National University (Korea)
 CARL A. RODRIGUES, D.P.A., Nova University; M.S.M., B.A., Florida International University
 SEOKHWA YUN, Ph.D., University of Maryland; M.B.A., B.S., Seoul National University (Korea)
 MICHAEL G. ZEY, Ph.D., Rutgers, The State University; B.A., Hunter College

MARKETING

RALPH A. DiPIETRO, Ph.D., New York University; M.B.A., B.B.A., Baruch College
 M. NADEEM FIROZ, Ph.D., North Texas State University; M.B.A., University of Dallas; M.Com., B.Com., University of Peshawar (Pakistan)
 MARK E. HILL, D.B.A., M.B.A., B.S., Southern Illinois University
 CHINNAPPA N. JAYACHANDRAN, Ph.D., M.A., B.A., University of Madras (India)
 MARK S. JOHNSON, Ph.D., M.B.A., University of Colorado (Boulder)
 MARK JEFFREY KAY, Ph.D., City University of New York (C.U.N.Y.); M.B.A., Baruch College; M.A., M.F.A., University of Chicago; B.F.A., School of the Art Institute of Chicago
 JOHN MCGINNIS, Ed.D., New York University; M.A., B.S., Montclair State University
 SURESH B. PRADHAN, Ph.D., University of Pittsburgh; M.S., Ohio State University; B.S., University of Bombay; B.S., University of Saugar (India)
 PAUL SCIPIONE, Ph.D., Rutgers, The State University; M.A., SUNY at Buffalo; B.S., SUNY at Geneseo

MATHEMATICAL SCIENCES

- LORA A. BILLINGS, Ph.D., M.S., University of Colorado; B.S., Lafayette College
MARY A. DERENGOWSKI-STEIN, Ph.D., Columbia University; B.A., College of Our Lady of the Elms
THOMAS F. DEVLIN, Ph.D., M.A., Catholic University of America; B.A., LaSalle College
ROBERT F. DORNER, Ed.D., New York University; M.A., Montclair State College; B.S., Trenton State College
EILEEN FERNÁNDEZ, Ph.D., University of Chicago; M.S., New York University; B.A., William Smith College
CARL GOTTSCHALL, Ph.D., J.D., New York University; M.S., Yeshiva University; B.A., CUNY
DEAN HAMDAN, Ph.D., Walden University; M.A.T., B.S., Fairleigh Dickinson University
KAREN D. IVY, Ph.D., M.S., B.S., University of Mississippi
MICHAEL A. JONES, Ph.D., M.A., Northwestern University; B.S., Santa Clara University
KENNETH KALMANSON, Ph.D., CUNY; B.S., Brooklyn College
PATRICIA KENSCHAF, Ph.D., M.A., University of Pennsylvania; A.B., Swarthmore College
MARK S. KORLIE, Ph.D., M.S., University of Texas-Arlington; B.S. University of Liberia (Liberia)
LUDWIK KOWALSKI, Ph.D., University of Paris; M.S., B.S., Polytechnic Institute of Warsaw; M.A., Kean College of New Jersey
TZU-CHIANG MA, Ph.D., University of North Carolina; B.S., National Cheng Kung University (China)
EVAN M. MALETSKY, Ph.D., New York University; M.A., B.A., Montclair State University
ANDREW J. McDUGALL, Ph.D., The Australian National University (Australia); B.Sc., M.Sc., University of Auckland (New Zealand)
ARUP MUKHERJEE, Ph.D., Pennsylvania State University; M.Sc., University of Calcutta (India); B.Sc., Saint Xavier's College (India)
WILLIAM R. PARZYNSKI, Ph.D., M.S., B.S., Stevens Institute of Technology
ANTHONY V. PICCOLINO, Ed.D., M.Ed., Columbia University; M.S., Yeshiva University; B.S., Iona College
HELEN MARCUS ROBERTS, Ph.D., Johns Hopkins University; B.S., CCNY
JOHN G. STEVENS, Ph.D., New York University; B.S., Indiana University
RUTH C. STEWART, Ed.D., M.A., B.A., Rutgers, The State University; M.A., Columbia University
LINDA TAPPIN, Ph.D., M.S. (Mathematics), M.S. (Statistics), Rutgers, The State University; B.A., Douglass College, Rutgers, The State University
DIANA THOMAS, Ph.D., Georgia Institute of Technology; B.A., University of Montana
GIDEON WEINSTEIN, Ph.D., M.A., Indiana University; M.A., B.S., Binghamton University
MARY L. WEST, Ph.D., Columbia University; M.S., B.A., Cornell University
THOMAS E. WILLIAMSON, JR., Ph.D., Rutgers, The State University; B.S., University of Maryland
KENNETH C. WOLFF, Ph.D., New York University; M.A., Pennsylvania State University; B.A., Montclair State University

MUSIC

- ROBERT ALDRIDGE, D.M.A., M.M.A., Yale University; M.Mus., New England Conservatory of Music; B.A., University of Wisconsin
JOKE BRADT, Ph.D., M.M.T. Temple University; M.M.P., Lemmeninstituut (Belgium)
MARY ANN CRAIG, D.M.E., M.M.E., Indiana University; B.M.E., Baldwin-Wallace College
LISA DeLORENZO, Ed.D., Columbia University; M.M.E., Indiana University; B.S., West Chester State College
DEAN DRUMMOND, M.F.A., California Institute of the Arts; B.Mus., University of Southern California
JEFFREY C. GALL, M.Phil., M.A., Yale University; B.A., Princeton University
KAREN GOODMAN, M.S., Hunter College; B.A., University of Wisconsin
TING HO, Ph.D., University of Rochester; M.A., Kent State University; B.A., Bucknell University
JEFFREY KUNKEL, D.Ed., Pennsylvania State University; M.Mus., New England Conservatory; B.S., Pennsylvania State University
OSCAR RAVINA, Diploma, St. Petersburg Conservatory of Music; Diploma, Bruckner Conservatory of Music; Diploma, Academy of Music in Salzburg; Diploma, Academy of Music in Vienna
RUTH RENDLEMAN, Ed.D., Columbia University; M.Mus., Manhattan School of Music; B.Mus., North Carolina School of Arts
DAVID SINGER, Diploma, Curtis Institute of Music; Artist Certificate, Hochschule für Musik (Vienna)
DAVID WITTEN, D.M.A., Boston University; M.F.A., SUNY Buffalo; B.A., John Hopkins University
DAVID WROE, M.Mus., Northwestern University; B.Mus., Manchester University
CHAIM ZEMACH, Diploma, Cologne University (Germany); Diploma, Accademia Chigiana (Italy)

NEW JERSEY SCHOOL OF CONSERVATION

- RANDALL FITZGERALD, Ph.D., SUNY at Binghamton; B.A., SUNY at Purchase
REGINA M. KELLY, M.A., B.A., Trenton State College
WALTER M. MYERS, Dir. Re., Indiana University; M.S., Northern Illinois University; B.S., Stockton State College

PHILOSOPHY AND RELIGION

- DAVID BENFIELD, Ph.D., M.A., Brown University; B.A., St. John's College
THOMAS BRIDGES, Ph.D., M.A., Columbia University; B.A., New York University
CYNTHIA ELLER, Ph.D., M.A., University of Southern California; B.A., University of LaVerne
ROLAND GARRETT, Ph.D., M.A., B.A., Columbia University
CHRIS D.HERERA, Ph.D., University of Oklahoma; M.A., University of Colorado; B.S., Embry-Riddle University
STEPHEN JOHNSON, Ph.D., M.Phil., Yale University; M.A., Marquette University; B.A., Spring Hill College
MICHAEL S. KOGAN, Ph.D., B.A., Syracuse University
LISE F.VAIL, Ph.D., University of Pennsylvania; M.A., Princeton University; B.A., Florida State University

POLITICAL SCIENCE

- OPOKU AGYEMAN, Ph.D., York University (Toronto); M.A., Makerere, Uganda; B.A., University of Ghana
WILLIAM M. BATKAY, Ph.D., M.A., Columbia University; B.A., Fordham University
WILLIAM S. BERLIN, Ph.D., Rutgers, The State University; M.A., George Washington University; B.A., Brooklyn College
BRIGID R. HARRISON, Ph.D., Temple University; M.A., Rutgers, The State University; B.A., Stockton State College
GEORGE T. MENAKE, Ph.D., New York University; M.A., St. John's University; B.A., St. Peter's College
DAVID K. NICHOLS, Ph.D., University of Virginia; M.A., Northern Illinois University; B.A., Wake Forest University
GEORGE N. ZILBERGELD, Ph.D., Miami University; M.A., San Francisco State University; B.A., Rutgers, The State University

PSYCHOLOGY

- JOHN K. ADAMS, Ph.D., New York University; M.A., B.A., University of Nebraska
EDWARD ARONOW, Ph.D., M.A., Fordham University; B.A., Queens College
IRWIN J. BADIN, Ph.D., New York University; B.A., Long Island University
JENNIFER BRAGGER, Ph.D., M.A., Temple University; B.A., College of New Jersey
ANTHONY V. D'URSO, Psy.D., Rutgers, The State University; M.A., B.A., Seton Hall University
KATHERINE W. ELLISON, Ph.D., CUNY; B.A., Agnes Scott College
MARK J. FRIEDMAN, Ph.D., M.S., Purdue University; B.A., Colgate University
MILTON FUENTES, Psy. D., Psy.M., Rutgers, The State University; M.A., Montclair State University; B.A., Saint Peters College
MARGARITA GARCIA, Ph.D., M.A., B.S., Columbia University
JULIAN P. KEENAN, Ph.D., SUNY at Albany; M.A., B.A., SUNY, at New Paltz
MARK A. KOPPEL, Ph.D., M.A., Northwestern University; B.A., Columbia University
SANDRA LEWIS, Psy.D., Rutgers, The State University; B.A., Spelman College
TIMOTHY LIONETTI, Ph.D., Lehigh University; M.A., West Chester; B.A., Villanova University
PAUL J. LOCHER, Ph.D., M.S., Temple University; B.S. Ed., Kutztown State College
DANIELLE MARTINES, Ph.D., Fordham University; M.S., Long Island University; B.A., Mercy College
ROBERT D. MCCORMICK, Ph.D. (Spanish), CUNY; Ph.D. (Psychology), Rutgers, The State University; M.A. (Spanish), Queens College, CUNY; M.A. (Psychology), Rutgers, The State University; B.A., St. John's University
LUIS MONTESINOS, Rh.D., M.A., Southern Illinois University; Psychologist Degree, Catholic University of Chile
CARLA M. NARRETT, Ph.D., M.S., Syracuse University; B.S., Northern Michigan University
AGNES O'CONNELL, Ph.D., M.S., Rutgers, The State University; A.B., Douglass College, Rutgers, The State University
OFELIA RODRIGUEZ-SREDNICKI, Ph.D., M.A., Seton Hall University; B.A., Jersey City State College

SAUNDRA-COLLINS, Ph.D., M.A., University of Maryland; B.A., Point Park College
 JEROLD S. SCHWARTZ, Ph.D., M.A., Yeshiva University; B.A., University of Pennsylvania
 IRA R. SUGARMAN, Ph.D., M.S., Columbia University; B.A., New York University
 KENNETH E. SUMNER, Ph.D., M.A., Bowling Green State University; B.A., Wayne State University
 DAVID J. TOWNSEND, Ph.D., M.A., Wayne State University; B.A., University of Michigan
 DEBRA ZELLNER, Ph.D., M.A., American University; A.B., Muhlenberg College

SOCIOLOGY

BARBARA CHASIN, Ph.D., University of Iowa; B.A., CCNY
 CANDACE CLARK, Ph.D., A.M., University of Chicago; Ph.D., M. Phil, Columbia University; B.A., Oklahoma State University
 DAVID DODD, D. Crim., M. Crim., University of California, Berkeley; Barrister at Law, Gray's Inn; M.A., B.A., Oxford University (England)
 PETER FREUND, Ph.D., New School for Social Research; M.A., Queens College; B.A., University of Maryland
 RICHARD J. GIGLIOTTI, Ph.D., M.A., Michigan State University; B.A., St. John Fisher College
 BENJAMIN HADIS, Ph.D., M.A., University of California at Los Angeles; Licenciatura, University of Buenos Aires (Argentina)
 MARY HOLLEY, Ph.D., North Texas State University; M.A., Fisk University; B.A., Saint Augustine's College
 JENNIFER HUNT, Ph.D., CUNY; B.A., Sarah Lawrence College
 GILBERT KLAJMAN, M.A., Brandeis University; B.A., Brooklyn College
 LAURA KRAMER, Ph.D., M.A., SUNY at Stony Brook; B.A., University of Michigan
 ILYA LICHTENBERG, Ph.D., J.D., M.A., B.A., Rutgers, The State University
 JAY LIVINGSTON, Ph.D., Harvard University; B.A., Brandeis University
 GEORGE MARTIN, Ph.D., M.A., University of Chicago; B.A., Vanderbilt University
 MAUREEN OUTLAW, Ph.D., M.A., Pennsylvania State University; B.A., Drew University
 JANET RUANE, Ph.D., M.A., Rutgers, The State University; A.B., Marywood College
 IN SOO SON, Ph.D., University of Massachusetts Amherst; M.A., University of Hawaii; B.A., Ritsumeikan University, Kyoto (Japan)
 GILBERT ZICKLIN, Ph.D., M.A., University of California, Davis; B.A., Columbia University

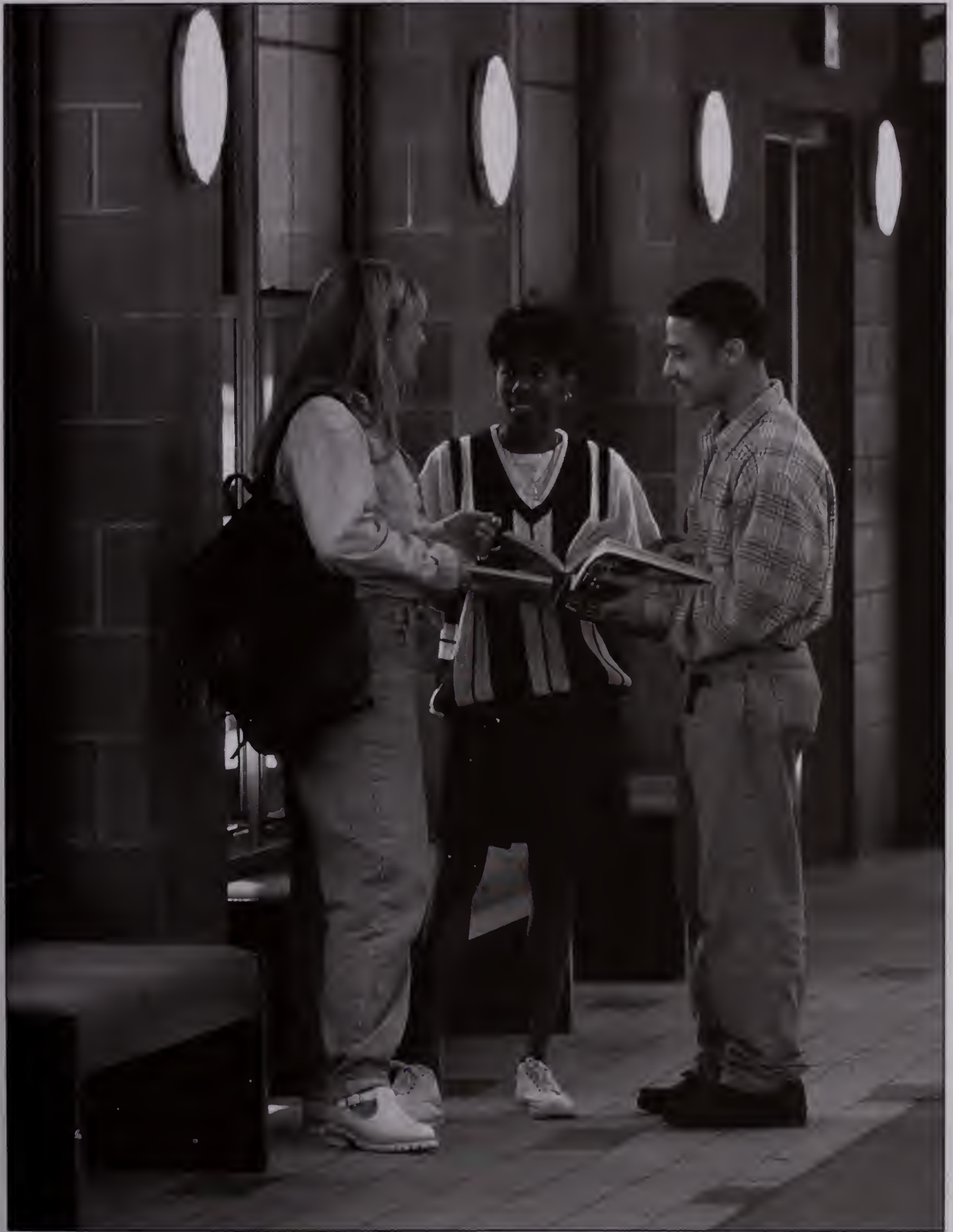
SPANISH/ITALIAN

VINCENZO Z. BOLLETTINO, Ph.D. (Spanish), Ph.D. (Comparative Literature, English), M.A., (Spanish), M.A., (Comparative Literature, English), Rutgers, The State University; B.A., City College, CUNY
 DAVID DEL PRINCIPE, Ph.D., Rutgers, The State University; M.A., New York University; B.A., University of Connecticut
 ANNE EDSTROM, Ph.D., M.A., University of Minnesota; B.A., Northwestern College
 DIANA GUEMAREZ-CRUZ, M.A., Harvard University; B.A., University of Puerto Rico
 EDWIN LAMBOY, Ph.D., Pennsylvania State University; M.A., Lehman College; B.A., University of Puerto Rico, Rio Piedras

LINDA G. LEVINE, Ph.D., M.A., Harvard University; B.A., New York University
 MARTA LOPEZ-LUACES, Ph.D., New York University; M.A., B.A., Queens College
 PAOLO POSSIEDI, Dottore lettere, University of Padua (Italy)
 WILLIAM ROSA, Ph.D., The Ohio State University; M.A., Michigan State University; B.A., Universidad de Puerto Rico, Rio Piedras
 PAMELA SMORKALOFF, Ph.D., M.A., B.A., New York University
 VALETIN SOTO, Ph.D., Stanford University; M.A., University of California; M.A., Universidad Nacional Autónoma de Mexico; B.A., CCNY
 MARISA TRUBIANO, Ph.D., M.A., B.A., Rutgers, The State University
 JOHN A. ZAHNER, Ph.D., M.A., University of Arizona; B.A., Toledo University
 ROGER A. ZAPATA, Ph.D., University of Minnesota; M.A., University of Pittsburgh; B.A., Universidad Nacional Mayor de San Marcos (Peru)

THEATRE AND DANCE

MICHAEL ALLEN, M.F.A., Tulane University; B.A., Eastern Kentucky University
 RAMON L. DELGADO, Ph.D., Southern Illinois University; M.F.A., Yale School of Drama; M.A., Dallas Theatre Center, Baylor University; B.A., Stetson University
 ERIC DIAMOND, M.F.A., Temple University; B.F.A., Pennsylvania State University
 LORRAINE KATTERHENRY, M.F.A., B.F.A., Florida State University
 SUSAN KERNER, M.F.A., Boston University; M.A., Columbia University; B.A., Connecticut College
 RANDY MUGLESTON, M.F.A., Indiana University; B.F.A., Utah State University
 GEOFFREY W. NEWMAN, Ph.D., Howard University; M.A., Wayne State University; B.F.A., Howard University
 JANE T. PETERSON, Ph.D., University of Missouri; M.A., B.A., Tulane University
 LINDA J. ROBERTS, M.A., Columbia University; B.A., University of Bridgeport
 SUZANNE M. TRAUTH, Ph.D., M.A., Bowling Green State University; B.S., University of Dayton
 JOHN WIESE, M.F.A., Boston University; B.F.A., Longwood College



INDEX

About Montclair State University	1
Academic Advising	22, 24
Academic and Student Support, Program for (PASS)	23
Academic Affairs	246
Academic Calendar	11
Academic Deans	246
Academic Needs Assessment	22
Academic Policies and Procedures	31
Academic Success Center	22
Accounting Concentration	61
Accounting and General Business Education	148
ACCOUNTING, LAW, AND TAXATION	61
Accreditation	inside front cover
Accreditations and Memberships	7
Acting Concentration	210
Administration	247
Administration and Faculty	246
ADMISSIONS	14, 24
Admission to Teacher Education	232
Admission Requirements	14
Adult Fitness Concentration, Physical Education	129
Adult Learning, Center for	22
Advanced Placement	31
Advisement	22, 31
Affirmative Action/Equal Opportunity	inside front cover
African-American Studies Minor	219
Allied Health Services Major	127
Alpha Course Codes, Legend of	59
Alumni Association/Office of Alumni Relations	17
ANTHROPOLOGY	63
Anthropology Major, Minor	63
Anthropology, Practical (Five Year Program)	64
Application for Final Audit	31
Applied Mathematics Concentration	171
Archaeology Minor	220
ART AND DESIGN	67
Art History Concentration	67
Arts, School of the	9
Athletic Training Program/Major	128
Athletics, Intercollegiate	19
Attendance	31
Audit Policy	31
Auxiliary Enterprises	17
Awards, Scholarships and	26, 234
Basic Skills	19, 32, 58
Biochemistry Major	85
BIOLOGY AND MOLECULAR BIOLOGY	76
Biology Major	76
Biology Major, Environmental Science Concentration	77
Biology Minor	78
Board of Trustees	246
Bookstore	17
BROADCASTING	83
Budget, Planning and Information Technology	247
Business, School of	10
Business Administration, Accounting	61
Business Administration, Economics	109
Business Administration, Finance	109
Business Administration, International Business	167
Business Administration, Management	165
Business Administration, Management Information Systems	147
Business Administration, Marketing	167
Business Administration, Office Systems Administration	147
Business Administration, Quantitative Methods	147
Business Administration, Retail Merchandising and Management	167
Business Economics Concentration	108
Business Education	148

Calendar, Academic	11
Campus Employment	17
Campus Life, Student Development and	22
Campus Ministry Programs	24
Campus Recreation and Intramural Services	17
Cancellation of Courses and Staffing	32
Career Development	22
Center for Adult Learning	22
CHEMISTRY AND BIOCHEMISTRY	85
Chemistry Major, Minor	85
Child Advocacy Concentration	151
Child Care Center	17
Chinese	158
CLASSICS AND GENERAL HUMANITIES	88
Classics Major, Minor	88
Class Standing	32
Cognitive Science Minor	220
College of Education and Human Services	8
College of Humanities and Social Sciences	8
College of Science and Mathematics	9
College Level Examination Program (CLEP)	32
Combined Bachelor of Science/Doctor of Medicine and Bachelor of Science/Doctor of Dental Medicine Degrees	225
Commercial Recreation and Tourism Concentration	130
Communication Disorders Center	17
COMMUNICATION SCIENCES AND DISORDERS	92
COMMUNICATION STUDIES	93
Communication Studies Minor	205
Community Health Services Concentration	127
Comprehensive Business Education	142
COMPUTER SCIENCE	96
Computer Science Major, Minor	96
Concentrations, Degree Programs and	4
Conference Services, Scheduling	27
CONSERVATION, NEW JERSEY SCHOOL OF	230
Consumer Affairs Concentration	140
Continuing Education, Center for Professional and	226
Cooperative Education	226
Costs	inside front cover, 16
Counseling, Academic	22, 31
COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP	99
Counseling and Psychological Services	25
Course Loads	32
Course Codes, Legend of Alpha	59
Course Overlap	32
Creative Writing Concentration	113
Credit Adjustments for Freshman English, Waivers and	38
Credit by Examination and Assessment of Life Experience	32
Credit for Life Experience	32
Credit, Transfer	37
Criminal Justice Minor	220
CURRICULUM AND TEACHING	100
Dance Major	208
Dance Minor	209
DANCE, THEATRE AND	208
Deans, Academic	246
Dean's List	33
Degree Programs and Concentrations	4
Degree Requirements	39
Degrees Offered	inside front cover, 4
Design Concentration, Production/	209
Dining Services	17
Directions to the Campus, Montclair State	260
Disabilities, Services for Students with	25
Dismissal	35
EARLY CHILDHOOD AND ELEMENTARY EDUCATION	101
Early and Middle Childhood Education Concentration (K-8 Certification), Family and Child Studies,	140

EARTH AND ENVIRONMENTAL STUDIES	102
Earth Science, Second Teaching Field	103
ECONOMICS AND FINANCE	108
Economics Major, Minor	108, 109
Education and Human Services, College of	8
Education Program, Teacher	231
EDUCATIONAL FOUNDATIONS	112
EDUCATIONAL MEDIA, LITERACY AND	163
Educational Opportunity Fund (EOF)	23
Electives, Free	49
Emergency Medical Services	25
ENGLISH	113
English Major, Minor	113
English as a Second Language, Teaching (TESL)	159
English as a Second Language (ESL)	159
English, Grammar, Style, Standard	36
English, Provisions for Non-native Speakers of	15
English, Waivers and Credit Adjustment for Freshman	38
Enrollment	inside front cover
Environmental Science Concentration (Biology)	77
Environmental Science Concentration (Earth and Environmental Studies)	102
Equal Opportunity/Affirmative Action	inside front cover
Examinations, Final	33
Examination in Physiology and Hygiene	231
Exemptions from Freshman English	38
Expenses, Student	16
Experiential Education, Courses and Programs	226
Facilities	inside front cover
Facilities and Resources	17
Faculty	inside front cover
Faculty, Administration and	246
Family and Child Studies-Applied Concentration	140
Family and Child Studies-Child Life Specialist Concentration	141
Family and Child Studies - Early Childhood Concentration (Preschool-Grade 3 Teacher Certification)	140
Family and Child Studies - Early Childhood and Middle Childhood Concentration (Kindergarten-Grade 8 Teacher Certification)	140
Fashion Studies Concentration	142
Federal Work-Study Employment	17
Fees and Tuition	inside front cover, 16
Film Minor	220
Final Audit, Application for	31
Final Examinations	33
Finance Concentration	109
Financial Aid	inside front cover, 26
Fine Arts, Art History (BA)	67
Fine Arts, Education (BA)	68
Fine Arts, School of	9
Fine Arts, Studio (BA, BFA)	67
Foodservice Management Concentration	143
Food and Nutrition-Dietetics Concentration	142
Food and Nutrition-Food Technology Concentration	142
Food and Nutrition-General Concentration	142
FRENCH, GERMAN, AND RUSSIAN	119
French Civilization Concentration	119
French Major	119
French Major, Teacher Education	120
French Minor	120
Freshman English, Waivers and Credit Adjustments for	38
Freshman Experience	23
Furlough	35
General Education Program	39
General Education (1983 GER) Courses	49
General Education (2002 Gen Ed) Courses	44
General Education Requirements for Gen Ed 2002 (Bachelor of Arts/ Bachelor of Science)	40
General Education Requirements for Gen Ed 2002 (Bachelor of Fine Arts/ Bachelor of Music)	42

General Education Requirements for 1983 GER (Bachelor of Arts/ Bachelor of Science)	46
General Education Requirements for 1983 GER (Bachelor of Fine Arts/ Bachelor of Music)	48
General Humanities Major	125
Geography Major	102
Geoscience Major	102
Geoscience Minor	103
German Course Descriptions	123
German Minor	121
Global Education Center	18
Grades and Standards	33
Graduate Courses, Undergraduates in	38
Graduate Degree Programs	4, 233
Graduation, Final Audit	31
Graduation Honors	34
Greek Minor	88
Health Insurance	16, 26
Health and Wellness Center	24
Health and Wellness Education Services	25
Health, Physical Education and (Dual Teacher Certification)	128
Health Careers Program	228
Health Education Major	127
HEALTH PROFESSIONS, PHYSICAL EDUCATION RECREATION AND LEISURE STUDIES	127
Health Studies Minor	128
Hispanic Community Affairs Minor	205
HISTORY	136
History Major	136
Home Economics Education Concentration	143
Honors Program	229
Housing, Residence Life	27
Human and Intercultural Relations Requirement	232
HUMAN ECOLOGY	140
Human Ecology Major	140
Human Resources	247
Human Services, College of Education and	8
Human Services Minor	99
Humanities and Social Sciences, College of	8
Humanities Major, General	125
Hygiene and Physiology, Examination in	232
Identification Cards	27
Immunization Requirements	25
Independent Study	34
Informatics Concentration	96
INFORMATION AND DECISION SCIENCES	147
Information Technology	19
Intercollegiate Athletics	19
Interdisciplinary Minors	219
International Business Concentration	167
International Services	24
International Summer Institutes	18
International Students (Admission)	15
International Studies Minor	222
ITALIAN, SPANISH/	204
Italian Major, Minor	205
Journalism Minor	113
Justice Studies Major	151
Justice Studies Major, Child Advocacy Concentration	151
Justice Studies Major, Justice Systems Concentration	151
Justice Studies Major, Paralegal Studies Concentration	152
Language Placement Testing	19
Latin American and Latino Studies Minor	223
Latin Major, Minor	88
Leave of Absence	34
LEGAL STUDIES	154
Library	20
Library Research and Documentation	36
LINGUISTICS	158

Linguistics Major, Minor	158	PSYCHOLOGY	196
LITERACY AND EDUCATIONAL MEDIA	163	Psychology Major, Minor	196
Location	inside front cover, 260	Public Administration Minor	193
Major Declaration	34	Quantitative Methods Concentration	147
Major Field	49	Reading and Study Skills Center	21
MANAGEMENT	165	Reading Minor	163
Management Concentration	165	Readmission	15
Management Information Systems Concentration	147	RECREATION AND LEISURE STUDIES, PHYSICAL	
Map, Directions to the Campus, Montclair State	260	EDUCATION, HEALTH PROFESSIONS	127
Map, Montclair State Campus	inside back cover	Recreation and Tourism Concentration, Commercial	130
MARKETING	167	Recreation Professions Major	130
Marketing Concentration	167	Recreation, Therapeutic	130
Mathematics, College of Science and	9	Refund of Tuition and Fees	16
MATHEMATICAL SCIENCES	171	Refund and Withdrawal Policies	16, 38
Mathematics Majors	171	Registration	35
Mathematics Minor	172	RELIGION, PHILOSOPHY AND	188
Ministry Programs, Campus	24	Religious Studies Major, Minor	188
Molecular Biology Major	76	Repeated Courses	35
Multicultural Awareness Requirement	55	Requirements for the Undergraduate Degree	39
MUSIC	177	Research and Documentation, Library	36
Music (Combined B.A./B.Mus. 5 year program)	181	Residence Life	27
Music Education Concentration	178	Residence Requirements	35
Music Minor	181	Resources and Facilities	17
Music, Performance Concentrations	180	Retail Merchandising and Management Concentration	167
Music, Theory Composition Concentration	180	Retention Standards	35
Music Therapy Major	179	Russian Area Studies Minor	121
Musical Theatre Minor	211	Russian Minor	121
NEW JERSEY SCHOOL OF CONSERVATION	230	Scheduling/Conference Services	27
New Student Experience	23	Scholarships and Awards	26, 234
Non-Accredited Institutions, Transfer Credit	37	School of Business	10
Non-Native Speakers of English, Provisions for	15	School of the Arts	9
Office Systems Administration Concentration	147	Science and Mathematics, College of	9
Officers of the University	246	Second Baccalaureate Students	15
Older Adult Tuition Waiver Program	23	Secretarial and General Business Education	148
Panzer School Council	20	Service Learning Program	227
Paralegal Studies Concentration	155	Services for Students with Disabilities	25
Paralegal Studies Program	154	Smoking Regulation	inside front cover
Paralegal Studies Minor	154	Social Sciences, College of Humanities and	8
Parking and Traffic	20	Social Studies Teacher Certification	136, 192
Part-Time Students (Admission)	14	SOCIOLOGY	200
Pass/Fail Grading	34	Sociology Major, Minor	200
Payment Plan, Monthly	16	SPANISH/ITALIAN	204
Performance Concentrations, Music	180	Spanish Major, Minor	204
PHILOSOPHY AND RELIGION	188	Spanish Major, Translation Concentration	204
Philosophy Major, Minor	188	Special Education	231
Physical Education, Adult Fitness Concentration	129	Speech Communication Major	93
Physical Education and Health (Dual Teacher Certification)	128	Staffing, Cancellation of Courses and	32
PHYSICAL EDUCATION, RECREATION, AND		Standard English, Grammar, Style	36
LEISURE STUDIES, HEALTH PROFESSIONS	127	Standards for Formal Written Work	36
Physical Science, Second Teaching Field in	86, 172	Student Activities	27
Physics, Major, Minor	172	Student Development and Campus Life	22, 247
Physiology and Hygiene, Examination in	232	Student Center	27
Plagiarism	34	Student Government Association, Inc. (SGA) and Student	
Police and Security, University	29	Organizations	27
POLITICAL SCIENCE	192	Student Responsibility	37
Political Science Major, Minor	192	Student Rights	37
Practical Anthropology	64	Student Support, Program for Academic and (PASS)	23
Pre-Law Advisor	20	Students with Disabilities, Services for	25
Pre-Law Studies Program, Minor	155	Studio (BA, BFA)	67
Prerequisite Courses	35	Study Abroad (Global Education Center)	18
President's Division	246	Study Skills Center, Reading and	21
Probation, Grades and Standards	33	Summer Sessions	21
Production/Design Concentration	211	Suspension	35
Professional and Continuing Education	226	Teacher Education, Admission to	232
Professional Computing Concentration	96	Teacher Education Program	232
Professional Sequence for Teacher Education Certification	232	TEACHING, CURRICULUM AND	100
Program for Academic and Student Support (PASS)	23	Teaching English as a Second Language (TESL)	159
Psychoeducational Center	20	Television Center	21
Psychological Services, Counseling and	25	Theatre Major (B.F.A.)	210

Theatre Minor	211
THEATRE AND DANCE	210
Theatre Studies Major (B.A.)	210
Theory/Composition Concentration	180
Therapeutic Recreation Concentration	130
Tourism and Recreation Concentration, Commercial	130
Transcripts	37
Transfer Credit	37
Transfer Credit, Full-Faith-and-Credit	37
Transfer Credit, Non-Accredited Institutions	37
Transfer Students	14
Translation Concentration, French	199
Translation Concentration, Spanish	204
Trustees, Board of	246
Tuition and Fees	16
Tuition, Older Adult Waiver Program	23
Tutorial Services	24
Undergraduate Degree Programs and Concentrations	4
Undergraduate Degree, Requirements for the	39
Undergraduate Program, Statement on the	3
Undergraduates in Graduate Courses	38
University Advancement	248
University Police Department	29
Urban Studies Minor	103
Veterans	26
Visiting Students	27
Waivers and Credit Adjustments for Freshman English	38
Welcome Week	23
Wellness Center, Health and	24
Wellness Services	24
Withdrawal from Courses	38
Withdrawal from Montclair State	38
Women's Center	26
Women's Studies Major	217
Women's Studies Minor	217
Work-Study Employment, Federal (Financial Aid)	17, 26
Writing Center	21
Writing Requirement	56
Written Work, Standards for Formal	36

DIRECTIONS TO CAMPUS

Montclair State University is on Valley Road and Normal Avenue, Upper Montclair, N.J. one mile south of the junction of routes 3 and 46.

By Car From:

Bloomfield Avenue, Montclair: North on Valley Road, 3.3 miles to Normal Avenue light, turn left.

Route 46 (East and West): Valley Road, Montclair exit (at Route 3 junction), south for approximately one mile to Normal Avenue light, turn right.

Route 3: Valley Road, Montclair exit (at Route 46 junction), south for approximately one mile to Normal Avenue light, turn right.

Garden State Parkway North: Exit 153B (left lane) to Route 3 West to Valley Road, Montclair exit, south one mile to Normal Avenue light, turn right.

Garden State Parkway South: Exit 154 to Route 46 West, to Valley Road, Montclair exit, south one mile to Normal Avenue light, turn right.

New Jersey Turnpike: Exit 16W to Route 3 West, Valley Road, Montclair exit, south one mile to Normal Avenue light, turn right. Motorists traveling on the Turnpike south of Exit 11 may exit there to Garden State Parkway North.

Lincoln Tunnel: Follow to Route 3 West.

George Washington Bridge: Route 80 West to Garden State Parkway South.

By Public Transportation* From:

New York City (by train): Take PATH Service to Hoboken, transfer to NJ Transit Boonton Line, and get off at Montclair Heights Station at southwest corner of campus. (Service available only on weekdays in the afternoon and evening.)

New York City (by bus): DeCamp Bus No. 66 leaves from the Port Authority Bus Terminal; get off at Mt. Hebron and Valley Roads, turn right (north) on Valley Road, and walk one block to the Normal Avenue traffic light, then turn left to campus entrance.

Newark: NJ Transit Bus No. 28 originates at Macy's, Washington and Hill Streets, and terminates its run on campus.

Paterson: NJ Transit Bus No. 72 originates at Broadway Terminal, Paterson, and goes to Broad Street, Bloomfield. Change to No. 28 at Bloomfield Center.

The Oranges: Take One Bus Co. No. 44 to Main and Day Streets in Orange. Connect to NJ Transit Bus No. 92 to Glenwood and Bloomfield Avenues. Change to NJ Transit Bus No. 28.

Passaic: NJ Transit Bus No. 705 originates at Main Street and Passaic Avenue in Passaic and travels through Clifton to Montclair State University.

Wayne: NJ Transit Bus No. 704 originates at Willowbrook Mall and travels to Montclair State University.

*Subject to change without notice. Information available from New Jersey Transit, 800-772-2222.



**MONTCLAIR
STATE
UNIVERSITY**

A Center Of Knowledge, Centered On You.

Office of Admissions
Upper Montclair, NJ 07043

Pre-Sorted Matter
Bulk Rate
U.S. Postage
PAID
Montclair, NJ
Permit No. 102



Visit our home page
on the World Wide Web at
www.montclair.edu

Montclair

MONTCLAIR STATE UNIVERSITY
UNDERGRADUATE CATALOG 2004-2006



Montclair State University at a Glance

Location:

247-acre campus, at the intersection of Valley Road and Normal Avenue, Montclair, New Jersey (Essex County), one mile south of intersection of Valley Road and Route 46. Main entrance on Normal Avenue.

Background:

Established in 1908; is a state-assisted, coeducational, comprehensive public teaching university with a wide range of undergraduate and graduate programs and a commitment to excellence in instruction and research. Has offered Master of Arts programs since 1932, Master of Business Administration since 1981, Master of Education since 1985, Master of Science since 1992, Master of Fine Arts since 1998, Doctor of Education since 1999, and Doctor of Environmental Management since 2003.

Enrollment:

About 11,375 undergraduates and 3,825 graduate students in Fall 2003. Students come from all New Jersey counties, from other states, and from foreign countries. Approximately 3,100 live on campus with the remainder living in off-campus accommodations or commuting from home.

Faculty:

496 authorized lines.

Accreditation:

Accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, telephone 215-662-5606. For a complete statement on Accreditations and Memberships, refer to the Table of Contents for the page number.

Montclair State University is an equal opportunity/affirmative action institution. In compliance with relevant federal and state civil rights legislation, Montclair State does not discriminate on the basis of gender, race, color, religion, national origin, age, affectional or sexual orientation, atypical hereditary cellular or blood trait, genetic information, or physical capability in the operation of its educational program and activities (admission, access to programs and course offerings, competitive and intramural athletics, counseling, student and other employment, use of facilities, and campus sponsored extracurricular activities). Inquiries relating to equal opportunity/affirmative action issues may be directed to the offices of Student Development and Campus Life or Equal Opportunity/Affirmative Action.

Montclair State University recognizes its responsibility to foster an atmosphere of respect, understanding and good will among all individuals and groups, with special sensitivity to those most likely to be subjected to disrespect, abuse and misunderstanding because of their race, ethnicity, religion, gender, sexual preference, age or disabling condition. The goal is to create an unbiased community where all individuals feel free to express themselves in ways that are appropriate in a multi-ethnic and multi-cultural society, and to pursue their work and study in an atmosphere that values individuality and diversity. Underlying this statement is a respect for differences of opinion and freedom of speech. We must be diligent, however, to assure that differences do not degenerate into name-calling or insulting of individuals or groups. Such behavior can be destructive of courtesy and civility and endangers the environment needed for engaging in productive dialogue. Montclair State condemns any behavior that devalues persons and endangers the learning and work environment. Such behavior includes, but is not limited to, threats or acts of physical violence, verbal abuse, harassment, and discrimination. Montclair State encourages the practice of this human relations statement in every aspect of campus life.

Montclair State University is subject to NJSA 26:3D-15 through 21 (Health and Vital Statistics) on smoking in public places. In compliance with this law, the University prohibits the smoking or carrying of lighted cigars, cigarettes, pipes, or any matter or substance that contains tobacco in all indoor spaces on the Montclair State campus. Indoor smoking is permitted only in private, fully-enclosed student residence hall rooms. If the room is jointly occupied, smoking is permitted only by consensus of all individuals occupying the room. Any member of the campus community may ask an individual to comply with the provisions of this regulation or may file a complaint with University Police, who may issue a summons. Any individual who fails to comply is subject to a fine (typically \$25-\$200) as determined by the local court where the summons is filed.

The Undergraduate Catalog of Montclair State University is published biennially and presents announcements of general information, general academic regulations, and the academic program extant at the date of publication. Montclair State reserves the right to change any of its announcements, regulations or requirements at any time without notice or obligation. The Office of Academic Affairs is responsible for the preparation of the content of this publication.

Degrees Offered:

Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Education, Doctor of Environmental Management.

Facilities:

Facilities on the main campus include twenty academic buildings, five administrative buildings, the Student Center, Sprague Library, Panzer Gymnasium with pool and fitness center, a child care center, recreation fields, various service buildings including an 1,100-space parking deck, the Red Hawk Diner, Yogi Berra Museum and Learning Center, Yogi Berra Stadium, and Floyd Hall Ice Arena. Housing for over 3,100 students is provided in eight residence life facilities, including 212 apartments in the newly constructed Village at Little Falls. Construction has commenced on the 500-seat Alexander Kasser Theater scheduled to open in Summer 2004. A state of the art new academic building, scheduled to open in 2005, is also under construction.

Costs:

Annual tuition and fees (2004-2005): \$7,255.16-new student, \$6,792.90-returning student, (based on 30 semester hours, undergraduate, New Jersey resident). Annual room and board (2003-2004): \$8,860 (based on a single room and maximum meal plan). Rates are subject to change without notice.

Financial Aid:

Some form of aid is provided to approximately 67 percent of qualified full-time undergraduate students. Aid is available as loans, grants, employment and a small number of scholarships. Part-time undergraduate students are also eligible for some programs. Assistance, primarily loans, is also available for eligible graduate students.

Undergraduate Catalog

2004-2006



Montclair State University

(973) 655-4000

(800) 624-7780

Web-site: www.montclair.edu

Admissions

Russ Hall

(973) 655-4444

(800) 331-9205

FAX (973) 655-7700

E-mail: undergraduate.admissions@montclair.edu

Financial Aid

321 College Hall

(973) 655-4461

Web-site: www.montclair.edu/financialaid

E-mail: financialaid@montclair.edu

Registrar

204 College Hall

(973) 655-4376

FAX (973) 655-7371

Web-site: www.montclair.edu/registrar

E-mail: registrar@montclair.edu

Residence Life

411 Bohn Hall

(973) 655-5188

FAX (973) 655-5400

Table of Contents

About Montclair State University	1
Statement on the Undergraduate Program	3
Montclair State University Majors, Concentrations, Minors, and Certificate Programs ..	4
Accreditations, Approvals and Memberships	7
Colleges and Schools of the University	8
Academic Calendar	11
Admissions	13
Tuition and Fees	16
Resources and Facilities	18
Division of Student Development and Campus Life	23
Academic Success Center	23
Admissions	24
Dean of Students	25
Financial Aid	27
Intercollegiate Athletics	27
Residence Life	28
Student Center	28
Student Activities	28
University Police Department	30
Academic Policies and Procedures	32
Requirements for Undergraduate Degree	40
Legend of Alpha Course Codes	62

ACADEMIC PROGRAMS AND DEPARTMENTS

Accounting, Law, and Taxation Department	64
Anthropology Department	66
Art and Design Department	70
Biology and Molecular Biology Department	80
Broadcasting Department	87
Business Administration	90
Chemistry and Biochemistry Department	91
Classics and General Humanities Department	95
Communication Sciences and Disorders Department	99
Communication Studies Department	100
Computer Science Department	103
Counseling, Human Development and Educational Leadership Department	107
Curriculum and Teaching Department	108
Early Childhood, Elementary, and Literacy Education Department	109
Earth and Environmental Studies Department	112
Economics and Finance Department	119
Educational Foundations Department	123
English Department	124
French, German, and Russian Department	130
General Humanities Major	137
Health Professions, Physical Education, Recreation, and Leisure Studies Department	139
History Department	151
Human Ecology Department	155
Information and Decision Sciences Department	162
Justice Studies Major	165
Legal Studies Department	168
Linguistics Department	173
Management Department	178
Marketing Department	180
Mathematical Sciences Department (includes Physics)	183
Music Department	189
Philosophy and Religion Department	200

Political Science Department	205
Psychology Department	209
Science Informatics Major	213
Sociology Department	215
Spanish/Italian Department	219
Theatre and Dance Department	226
Women's Studies Major and Minor	233

INTERDISCIPLINARY MINORS

African-American Studies	236
Archaeology	237
Cognitive Science	237
Criminal Justice	238
Film	238
International Studies	239
Latin American and Latino Studies	241

OTHER PROGRAMS

Combined Programs	243
Bachelor of Science/Doctor of Dental Medicine Program	
Bachelor of Science/Doctor of Medicine Program,	
Bachelor of Science/Doctor of Pharmacy Program	
Bachelor of Science/Doctor of Physical Therapy Program	
Bachelor of Science/Master of Physician Assistant Program	
Experiential Education Courses and Programs (Cooperative Education)	244
Health Careers Program	246
Honors Program	247
New Jersey School of Conservation	248
Special Education	249
Teacher Education	250

Appendix of Scholarships and Awards	255
Administration and Faculty	267
Index	279

Directions to Campus	284
Map of Campus	inside back cover



About Montclair State University

Montclair State is New Jersey's second largest and fastest growing university, offering the advantages of a large university—a broad undergraduate curriculum with a global focus, a wide variety of superior graduate programs and a diverse faculty and student body—combined with a small college's attention to students.

Montclair State recently revised its mission statement to reflect its expanded role in educating the students of New Jersey, conducting research, and providing service to the community, the region, the state, and beyond. Adopted at the same time was a strategic plan that was the culmination of five years of work. The key goals of the strategic plan are:

- to be a recognized center for excellence in teaching and learning;
- to be a source of new knowledge and the application of knowledge;
- to provide expanded opportunities to students within a richly diverse setting;
- to provide the facilities, equipment and funding to support the University's expansion;
- to embrace the pervasive and transforming use of technology;
- to be a center for global study and understanding;
- to foster a vibrant sense of community in which each student will be challenged to attain her or his full potential, and
- to serve as an important resource for the local and regional community.

Presently the University is in the midst of an ambitious expansion program that will enable it to accommodate at least 18,000 students by 2008, the year of its centennial. The program includes the recruitment of outstanding new faculty and approximately \$250 million in capital construction. Among the major building projects are:

- the Village at Little Falls, a state-of-the-art housing complex with apartments for 850 students, which opened in fall 2003. With five buildings named for famous New Jerseyans, MSU's signature Spanish mission architecture, an outdoor swimming pool and a fitness center, it has been featured on MTV, on television's "Inside Edition", and in newspapers all over the country.
- a new women's softball stadium, which opened in spring 2004.
- the Alexander Kasser Theater, a 500-seat, state-of-the-art performance venue for music, dance and theater events. It will also be used by school-aged children from MSU's Music Preparatory Program, as well as musicians studying at the New Music Institute, housed in the theater's lower level alongside the unique Harry Partch Instrument Collection.
- a new New Jersey Transit train station and parking garage, to give University students a one-seat ride into the heart of midtown Manhattan.
- the Children's Center, an innovative setting for two of the University's most highly respected and nationally recognized children's programs, the psychoeducational Center and the Child Care Center. By uniting typical preschoolers with special-needs students, this facility creates a unique experience for both children and educators.

- a \$45-million, state-of-the-art instructional building, the home of the College of Education and Human Services as well as Information Technology. Included will be the Center for Teacher Preparation and Learning Technologies, which will allow Montclair State to double the capacity of its teacher preparation programs and provide expanded access to continue professional development for educators.

Also new on campus are:

- a fleet of new vans replacing the University's old shuttle buses. The vans were purchased with a \$1.5-million grant from the United States Department of Transportation.
- the Joseph and Elda Coccia Institute for the Italian Experience in America, established with a significant gift from Mr. and Mrs. Coccia to foster instruction, research and outreach in Italian and Italian-American studies.
- a doctoral program in Environmental Management, master's degrees in Early Childhood Special Education, Teaching Middle Grades Mathematics, and Child Advocacy; and bachelor's degrees in Science Informatics and in Hospitality Management.

With more than 250 majors, minors and concentrations, the nation's only doctorate in pedagogy, and a unique interdisciplinary doctorate in environmental management, MSU provides a comprehensive array of academic programs while remaining accessible and affordable. Through its six schools and colleges—the College of Humanities and Social Sciences, the College of Science and Mathematics, the College of Education and Human Services, the School of the Arts, the School of Business and the Graduate School and Research—Montclair State University prepares its students to lead productive and rewarding lives, and to participate responsibly in civic society.

Montclair State's strong commitment to public service is evidenced by its wide variety of noncredit programs offered to varied constituencies. Each year, more than 1,200 academically gifted youngsters take part in advanced instructional programs offered weekends and during the summer on campus, and close to 500 talented children receive instruction through the Preparatory Center for the Arts. The School of Conservation, a 240-acre facility in Stokes State Forest, is one of the largest university-operated environmental education centers in the world, providing two-to-five-day programs for about 10,000 elementary and secondary school students from around the state, as well as graduate education for students from throughout the world. The University's Service Learning Program, in which students work with community groups throughout the area as part of their academic course work, has provided services to several communities in the area, and the New Jersey Network for Educational Renewal, a school-University partnership dedicated to the simultaneous renewal of the schools and teacher education, serves numerous school districts in northern New Jersey.

From its founding in 1908, the history of Montclair State University has been one of change, growth and distinction. Proud of its heritage and prepared to respond to the challenges and opportunities of the twenty-first century, Montclair State continues to be a major contributor to the cultural, economic and educational life of the region.



Statement on the Undergraduate Program

The Board of Trustees of Montclair State University reaffirms its belief that the liberal arts and sciences form the essential basis of an undergraduate program of higher education.

In an era of decreasing resources, diminished public support, and increased popular interest in vocationalism, there are strong pressures to succumb to temporary concerns, and in doing so to lose sight of the enduring and essential purpose of a university education. There are also economic and political forces which, if not constrained by thoughtful response, threaten the integrity of academic processes and the quality of academic standards of institutions of higher education everywhere.

The Board of Montclair State University believes that the institution has the special purpose of contributing to, critically examining, preserving and transmitting the culture of our society to succeeding generations, and that the protection of this purpose is the public trust for which we are primarily responsible. We believe that the progress of Montclair State University towards this goal has been exemplary, and in particular we applaud the steps already taken by the faculty and administration to maintain and enhance these values. Consistent with the policy and planning function of the Board, however, we believe that faculty and administration efforts might be enhanced by an understanding of what the Board sets forth as a vision of the undergraduate program:

1. a rigorous and comprehensive program of general education required of all students which includes not only advanced learning skills and preparation for effective citizenship, but which also fosters an appreciation of a shared human heritage leading to the enhancement of the quality of both personal and community life;
2. an enrollment reflecting a balance between those students majoring in liberal arts programs, and those in professional and career programs which in addition to their own strengths, are soundly rooted in and related to the strengths of our liberal arts departments;
3. support programs which assist underprepared students who share our goals to meet the demanding standards of which we think they are capable if suitably challenged, excited and educated;
4. ongoing processes of program review and evaluation in which the joint efforts of faculty, administration and Board ensure maintenance of the highest standards of quality;
5. a diverse student body reflecting different cultural and social backgrounds, but united by a common commitment to the academic values for which Montclair State University stands;
6. programs which strengthen the efforts of an able and dedicated faculty and which support the scholar's continuing need for intellectual and personal renewal.

In setting these general goals, the Board recognizes the difficult economic and political environment likely to face higher education in the future, and that many other institutions have chosen to confront these challenges in

a manner different from our own. We believe, however, that the need to create a distinctive mission and climate for Montclair State University and to prepare students fully for an uncertain but clearly difficult future requires us to make this commitment.

It is the Board's intent to view its future consideration of new policies and programs within the context of this statement.

Montclair State University Majors, Concentrations, Minors, Certificate Programs*

PROGRAM CODES, UNDERGRADUATE MAJORS AND CONCENTRATIONS AT THE BACCALAUREATE LEVEL

ALHE	Allied Health Services major	B.S.
ANTH	Anthropology major	B.A.
ATTR	Athletic Training major	B.S.
BICM	Biochemistry major	B.S.
BIOL	Biology major	B.S.
BIES	Biology major, Environmental Science concentration	B.S.
BRCA	Broadcasting major	B.A.
BAAC	Business Administration major, Accounting concentration	B.S.
BAEC	Business Administration major, Economics concentration	B.S.
BAFN	Business Administration major, Finance concentration	B.S.
BAIB	Business Administration major, International Business concentration	B.S.
BAMG	Business Administration major, Management concentration	B.S.
BAMI	Business Administration major, Management Information Systems concentration	B.S.
BAMK	Business Administration major, Marketing concentration	B.S.
BAQM	Business Administration major, Quantitative Methods concentration	B.S.
BARM	Business Administration major, Retail Merchandising and Management concentration	B.S.
CHEM	Chemistry major	B.S.
CLAS	Classics major	B.A.
CSSC	Communication Studies major, Speech Communication concentration	B.A.
CSOC	Communication Studies major, Organizational Communication concentration	B.A.
CSPR	Communication Studies major, Public Relations concentration	B.A.
CPSC	Computer Science major	B.S.
CPIN	Computer Science major, Informatics concentration	B.S.
CPPC	Computer Science major, Professional Computing concentration	B.S.
DANC	Dance major	B.F.A.
ECON	Economics major	B.A.
ECBE	Economics major, Business Economics concentration	B.A.
ENGL	English major	B.A.
ENCW	English major, Creative Writing concentration	B.A.
FAAH	Fine Arts major, Art History concentration	B.A.
FAED	Fine Arts major, Fine Arts Education concentration	B.A.
FAST	Fine Arts major, Studio concentration	B.A.
FASF	Fine Arts/Studio major	B.F.A.
FASI	Fine Arts/Studio major, Industrial Design concentration	B.F.A.

FRCV	French major, French Civilization concentration	B.A.
FRTR	French major, Translation concentration	B.A.
GHUM	General Humanities major	B.A.
GEOG	Geography major	B.A.
GEEN	Geography major, Environmental Studies concentration	B.A.
GEUR	Geography major, Urban Studies concentration	B.A.
GEOS	Geoscience major	B.S.
GEES	Geoscience major, Environmental Science concentration	B.S.
HLED	Health Education major	B.S.
HLCH	Health Education major, Community Health Services concentration	B.S.
HIST	History major	B.A.
HOMG	Hospitality Management major	B.S.
HUCA	Human Ecology major, Consumer Affairs concentration	B.A.
HUCL	Human Ecology major, Family and Child Studies - Child Life Specialist concentration	B.A.
HUFE	Human Ecology major, Family and Child Studies - Early and Middle Childhood concentration	B.A.
HUFP	Human Ecology major, Family and Child Studies - Early Childhood concentration	B.A.
HUFA	Human Ecology major, Family and Child Studies - Family Services concentration	B.A.
HUGR	Human Ecology major, Family and Child Studies - Gerontology concentration	B.A.
HUFS	Human Ecology major, Fashion Studies concentration	B.A.
HUFM	Human Ecology major, Food Management concentration	B.S.
HUED	Human Ecology major, Home Economics Education concentration	B.A.
HUFD	Human Ecology major, Nutrition and Food Science-Dietetics concentration	B.S.
HUFG	Human Ecology major, Nutrition and Food Science-General concentration	B.S.
ITAL	Italian major	B.A.
JUCA	Justice Studies major, Child Advocacy concentration	B.A.
JUEJ	Justice Studies major, Environmental Justice concentration	B.A.
JUJS	Justice Studies major, Justice Systems concentration	B.A.
JUPS	Justice Studies major, Paralegal Studies concentration	B.A.
LATN	Latin major	B.A.
LING	Linguistics major	B.A.
MATH	Mathematics major	B.S.
MAAM	Mathematics major, Applied Mathematics concentration	B.S.
MOBI	Molecular Biology major	B.S.
MUED	Music major, Music Education concentration	B.A.
MUPF	Music major, Performance concentration	B.Mus.
MUTC	Music major, Theory/Composition concentration	B.Mus.
MUSC	Music (five-year combined undergraduate program culminating with the award of both the B.Mus. and B.A. degrees)	B.Mus., B.A.
MUTH	Music Therapy major	B.A.
PHIL	Philosophy major	B.A.

PHED	Physical Education major	B.S.
PEAF	Physical Education major, Adult Fitness concentration	B.S.
PHYS	Physics major	B.S.
PHAS	Physics major, Astronomy concentration	B.S.
POLS	Political Science major	B.A.
PSYC	Psychology major	B.A.
RPCM	Recreation Professions major, Commercial Recreation and Tourism concentration	B.S.
RELS	Religious Studies major	B.A.
SIBC	Science Informatics major, Biochemistry concentration	B.S.
SICS	Science Informatics major, Computer Science concentration	B.S.
SIMB	Science Informatics major, Molecular Biology concentration	B.S.
SOCI	Sociology major	B.A.
SPAN	Spanish major	B.A.
SPTR	Spanish major, Translation concentration	B.A.
THAC	Theatre major, Acting concentration	B.F.A.
THPD	Theatre major, concentration Production/Design	B.F.A.
THST	Theatre Studies major	B.A.
WMST	Women's Studies major	B.A.

**PROGRAM CODES, UNDERGRADUATE MINORS AT
THE BACCALAUREATE LEVEL**

AFAM	African-American Studies
ANTH	Anthropology
ARCH	Archaeology
BIOL	Biology
CHEM	Chemistry
CLAS	Classics
CGSC	Cognitive Science
CPSC	Computer Science
COAF	Consumer Affairs
CRJS	Criminal Justice
DANC	Dance
ECON	Economics
EDPL	Educational Policy Studies
ENGL	English
FILM	Film
FREN	French
GEOS	Geoscience
GERM	German
GREK	Greek
HPMM	Harry Partch/Microtonal Music Studies
HLST	Health Studies
HSCA	Hispanic Community Affairs
HIST	History
HMSR	Human Services
INTL	International Studies
ITAL	Italian
JURN	Journalism
LATN	Latin
LALS	Latin American and Latino Studies
LING	Linguistics
MATH	Mathematics

MUSC	Music
MUST	Musical Theatre
NUFS	Nutrition and Food Science
PALG	Paralegal Studies
PHIL	Philosophy
PHYS	Physics
POLS	Political Science
PORT	Portuguese
PRLW	Pre-Law Studies
PSYC	Psychology
PBAD	Public Administration
RELS	Religious Studies
RUSN	Russian
RSAR	Russian Area Studies
SOCI	Sociology
SPAN	Spanish
COMS	Speech Communication
THEA	Theatre
URST	Urban Studies
WMST	Women's Studies

PROGRAM CODES, GRADUATE MAJORS AND CONCENTRATIONS AT THE MASTER'S LEVEL

ADSU	Administration and Supervision major	M.A.
ADET	Administration and Supervision major, Educator/Trainer concentration	M.A.
APLN	Applied Linguistics major	M.A.
APSO	Applied Sociology major	M.A.
BIOL	Biology major	M.S.
BISE	Biology major, Biology Science Education concentration	M.S.
BIMO	Biology major, Molecular Biology concentration	M.S.
BSAD	Business Administration major	M.B.A.
BAAC	Business Administration major, Accounting concentration	M.B.A.
BABC	Business Administration major, Business Economics concentration	M.B.A.
BAFN	Business Administration major, Finance concentration	M.B.A.
BAIB	Business Administration major, International Business concentration	M.B.A.
BAMG	Business Administration major, Management concentration	M.B.A.
BAMI	Business Administration major, Management Information Systems concentration	M.B.A.
BAMK	Business Administration major, Marketing concentration	M.B.A.
CHEM	Chemistry major	M.S.
CHBI	Chemistry major, Biochemistry concentration	M.S.
CMLP	Communication Sciences and Disorders major, Speech-Language Pathology concentration	M.A.
CSOC	Communication Studies major, Organizational Communication concentration	M.A.
CSPR	Communication Studies major, Public Relations concentration	M.A.
CSSC	Communication Studies major, Speech Communication concentration	M.A.

CPSC	Computer Science major	M.S.	MAST	Mathematics major, Statistics concentration	M.S.
CPAM	Computer Science major, Applied Mathematics concentration	M.S.	MUED	Music major, Music Education concentration	M.A.
CPAS	Computer Science major, Applied Statistics concentration	M.S.	MUMT	Music major, Music Therapy concentration	M.A.
CPIN	Computer Science major, Informatics concentration	M.S.	MUPF	Music major, Performance concentration	M.A.
COUN	Counseling, Human Services and Guidance major	M.A.	MUTC	Music major, Theory Composition concentration	M.A.
COHS	Counseling, Human Services and Guidance major, Human Services concentration	M.A.	PECS	Physical Education major, Coaching and Sports Administration concentration	M.A.
ECSE	Early Childhood Special Education major	M.Ed.	PEEX	Physical Education major, Exercise Sciences concentration	M.A.
EDUC	Education major	M.Ed.	PETA	Physical Education major, Teaching and Supervision of Physical Education concentration	M.A.
EDCT	Education major, Critical Thinking concentration	M.Ed.	PSYC	Psychology major	M.A.
EDPC	Education major, Philosophy for Children concentration	M.Ed.	PSIO	Psychology major, Industrial and Organizational Psychology concentration	M.A.
EPSY	Educational Psychology major	M.A.	READ	Reading major	M.A.
EPCP	Educational Psychology major, Child/Adolescent Clinical Psychology concentration	M.A.	SSEC	Social Sciences major, Economics concentration	M.A.
EPSB	Educational Psychology major, Clinical Psychology for Spanish-English Bilinguals concentration	M.A.	SSHI	Social Sciences major, History concentration	M.A.
ENGL	English major	M.A.	SPAN	Spanish major	M.A.
ESED	Environmental Studies major, Environmental Education concentration	M.A.	STAT	Statistics major	M.S.
ESEH	Environmental Studies major, Environmental Health concentration	M.A.	STAR	Studio Art major	M.F.A.
ESEM	Environmental Studies major, Environmental Management concentration	M.A.	— — —	Teaching major (plus a subject field)	M.A.T.
ESES	Environmental Studies major, Environmental Science concentration	M.A.	TEEC	Teaching major, Early Childhood Education concentration	M.A.T.
FAAH	Fine Arts major, Art History concentration	M.A.	TEEL	Teaching major, Elementary Education concentration	M.A.T.
FAED	Fine Arts major, Fine Arts Education concentration	M.A.	TMGM	Teaching Middle Grades Mathematics	M.A.
FAST	Fine Arts major, Studio concentration	M.A.	THPS	Theatre major, Production/Stage Management concentration	M.A.
FRLI	French major, French Literature concentration	M.A.	THTS	Theatre major, Theatre Studies concentration	M.A.
FRFS	French major, French Studies concentration	M.A.			
GEOS	Geoscience major	M.S.			
HLED	Health Education major	M.A.			
HUCA	Human Ecology major, Consumer Affairs concentration	M.A.			
HUFL	Human Ecology major, Family Life Education concentration	M.A.			
HUFR	Human Ecology major, Family Relations - Child Development concentration	M.A.			
HUED	Human Ecology major, Home Economics Education concentration	M.A.			
HUNF	Human Ecology major, Nutrition and Food Science concentration	M.A.			
LRDI	Learning Disabilities major	M.Ed.			
LSTD	Legal Studies major	M.A.			
LSDR	Legal Studies major, Dispute Resolution concentration	M.A.			
LSGC	Legal Studies major, Governance, Compliance, and Regulation concentration	M.A.			
LSMG	Legal Studies major, Legal Management, Information, and Technology concentration	M.A.			
MACS	Mathematics major, Computer Science concentration	M.S.			
MAED	Mathematics major, Mathematics Education concentration	M.S.			
MAPM	Mathematics major, Pure and Applied Mathematics concentration	M.S.			

PROGRAM CODES, POST-GRADUATE MAJORS AND CONCENTRATIONS AT THE DOCTORAL LEVEL

EPME	Education major, Pedagogy concentration (Mathematics Education)	Ed.D.
EPPC	Education Major, Pedagogy concentration (Philosophy for Children)	Ed.D.
ENVM	Environmental Management major	D.Env.M

PROGRAM CODES, CERTIFICATE PROGRAMS AT THE GRADUATE AND UNDERGRADUATE LEVELS

ARDI	Artist Diploma, graduate
CHAD	Child Advocacy certificate, graduate
CISG	CISCO certificate, graduate
CISU	CISCO certificate, undergraduate
CTIS	Collaborative Teaching for Inclusive Settings certificate, graduate
HLED	Health Education certificate, graduate
MOBI	Molecular Biology certificate, graduate
NUES	Nutrition and Exercise Science certificate, graduate
COOC	Object Oriented Computing certificate, graduate
PALG	Paralegal Studies certificate, graduate
PERC	Performer's certificate, graduate
PHCD	Philosophy for Children certificate, graduate
TESO	Teaching English to Speakers of Other Languages certificate, graduate
TMGM	Teaching Middle Grades Mathematics certificate, graduate
TISG	Translation and Interpretation in Spanish certificate, graduate

- TISU Translation and Interpretation in Spanish certificate, undergraduate
- WRMA Water Resource Management certificate, graduate

*Additional Instructional, Educational Services, and Administrative Endorsements are available in many of the above areas.

Accreditations, Approvals and Memberships

Montclair State University is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, telephone 215-662-5606. In addition, the National Council for the Accreditation of Teacher Education has granted accreditation for the preparation of elementary and secondary school teachers as well as administrative and school service personnel. Those programs leading to certification are approved by the New Jersey Department of Education using the standards of the National Association of State Directors of Teacher Education and Certification.

Other academic accreditations include AACSB International-The Association to Advance Collegiate Schools of Business (baccalaureate and graduate degree programs in business, School of Business), American Association of Family and Consumer Sciences, (Department of Human Ecology, College of Education and Human Services), American Speech-Language-Hearing Association (Department of Communication Sciences and Disorders, College of Humanities and Social Sciences), National Association of Schools of Art and Design (Department of Art and Design, School of the Arts), National Association of Schools of Dance (Department of Theatre and Dance, School of the Arts), National Association of Schools of Music (Department of Music, School of the Arts), and National Association of Schools of Theatre (Department of Theatre and Dance, School of the Arts). The undergraduate concentration in Professional Computing offered by the Department of Computer Science, College of Science and Mathematics, is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).

Programs approved by the Council for Exceptional Children include: Early Childhood Special Education major, Master of Education (Department of Early Childhood, Elementary, and Literacy Education, College of Education and Human Services); Learning Disabilities major, Master of Education, and Learning Disabilities Teacher-Consultant post master's certification (Department of Curriculum and Teaching, College of Education and Human Services); and Speech-Language Pathology concentration within the Communication Sciences and Disorders major, Master of Arts (Department of Communication Sciences and Disorders, College of Humanities and Social Sciences). The Bachelor of Science degree program in Human Ecology, concentration in Nutrition and Food Science-Dietetics, and the approved Preprofessional Practice Program (AP4), offered by the Department of Human Ecology, College of Education and Human Services, have been approved by the American Dietetic Association. The American Bar Association has approved the undergraduate minor and post-baccalaureate certificate program in Paralegal Studies offered by the Department of Legal Studies, and the Paralegal Studies concentration within the Justice Studies major, Bachelor of Arts, College of Humanities and Social Sciences. Programs offered by the Department of Chemistry and Biochemistry, College of Science and Mathematics, have been approved by the American Chemical Society. The National Association for Music Therapy has approved the undergraduate program in Music Therapy offered by the Department of Music, School of the Arts.

Montclair State University is a member of the American Association for Paralegal Education, American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Council on Education, Association for Gerontology in Higher Education, Association of American Colleges, Council of Graduate Schools in the United States, National Association of State Universities and Land-Grant Colleges, National Network for Educational Renewal, New Jersey Association of Colleges and Universities, New Jersey Association of Colleges for Teacher Education, North American Association of Summer Sessions, and Northeastern Association of Graduate Schools. Women graduates of Montclair State University are accepted for membership in the American Association of University Women.

Colleges and Schools

College of Education and Human Services

Dean: Ada Beth Cutler, Ed.D.

Associate Dean: Perry Greene, Ph.D.

Assistant Dean: Leslie E. Jenkins, M.A.

The College of Education and Human Services prepares students for professional careers in private industry, government agencies, non-profit organizations, and public and private schools. All programs in the College are firmly grounded in the liberal arts, and include an opportunity for field based internships. Graduate degree programs are offered by all departments. In its instructional programs, the College prides itself on highly qualified faculty members who maintain close contact with their disciplines and professions, who contribute regularly to scholarship, and who are excellent teachers dedicated to giving personal attention to all students. The application of appropriate instructional technology permeates all programs.

The University's Center of Pedagogy, in which the College of Education and Human Services plays a major role, is responsible for the coordination of the award winning teacher education program. The University's program is informed by its long standing participation in the Agenda for Education in a Democracy and the National Network for Educational Renewal, founded by John Goodlad. The New Jersey Network for Educational Renewal at Montclair State University is a highly developed school-university partnership which includes more than twenty school districts which are the primary sites for field experiences.

For our programs in food science, dietetics, consumer science, fashion studies, athletic training and recreation and leisure studies, extensive contacts and partnerships with the appropriate industries in the region and nation are maintained. The College operates on the premise that it has an obligation to be a partner in the ongoing renewal of the professions for which it prepares students.

Through all its work, the College maintains a commitment to bettering the lives of those living in the region, and a commitment to teaching for critical thinking, the promotion of democratic citizenship and to social justice. The College maintains an Office of the Agenda for Education in a Democracy to promote these ends. As part of this commitment, programs to maintain and extend diversity among students and faculty are a high priority.

Departments within the College are:

COUNSELING, HUMAN DEVELOPMENT AND
EDUCATIONAL LEADERSHIP
CURRICULUM AND TEACHING
EARLY CHILDHOOD, ELEMENTARY, AND
LITERACY EDUCATION
EDUCATIONAL FOUNDATIONS
HEALTH PROFESSIONS, PHYSICAL EDUCATION,
RECREATION AND LEISURE STUDIES
HUMAN ECOLOGY

College of Humanities and Social Sciences

Dean: Mary A. Papazian, Ph.D.

Associate Dean: William Rosa, Ph.D.

Associate Dean: Dorothy G. Rogers, Ph.D.

In the College of Humanities and Social Sciences (CHSS), traditional liberal studies serve as the foundation of a university education. The college's curriculum emphasizes the development of analytic skills, communication skills and social understanding. Our students can study the traditional liberal studies, such as philosophy and literature, along with courses on the vanguard of contemporary developments, such as cognitive science and film studies. Degrees in this college are recognized as excellent preparation for any number of careers, or for professional and graduate study.

The College of Humanities and Social Sciences provides students with several applied study options: internships, apprenticeships, and field study programs. Many departments offer clinical training or professional certificate programs, including teacher certification. A growing number of CHSS faculty offer service-learning courses, in which coursework is linked to community development projects.

A highlight of CHSS is its interdisciplinary programs, each of which allows students to explore a theme or area of interest from a number of perspectives. Students interested in Latin American issues, for example, can study Latino/a history and literature as well as the sociological and psychological factors that affect cultural identity. All of the interdisciplinary programs in CHSS provide students with a unique educational opportunity - for integrated study beyond the bounds of any one discipline.

Foreign language programs in the College offer excellent opportunities for students to immerse themselves in another language and culture through our study abroad programs. Typically, the college offers several such programs each year, in places such as London, Nice, Madrid, Siena, and Guadalajara.

Faculty in the college are leaders in the use of educational technology at Montclair State University. In addition to using in-class technology, such as computer-aided instruction and innovative software, many faculty supplement their courses with some form of web-based learning. Some courses are taught entirely on the web or via live synchronous learning.

The courses of study within the College of Humanities and Social Sciences have been at the core of the educational enterprise at MSU since it was established nearly one hundred years ago. The college continues to focus its energies, grow, develop, and change, in order to provide students with the very best in the liberal arts and social science traditions. We believe this is what keeps our programs dynamic and our foundational approach to education solid.

Departments and interdisciplinary majors within the College are:

ANTHROPOLOGY
CLASSICS AND GENERAL HUMANITIES
COMMUNICATION SCIENCES AND DISORDERS
ENGLISH
FRENCH, GERMAN, AND RUSSIAN
HISTORY
JUSTICE STUDIES MAJOR
LEGAL STUDIES
LINGUISTICS
PHILOSOPHY AND RELIGION
POLITICAL SCIENCE
PSYCHOLOGY
SOCIOLOGY
SPANISH/ ITALIAN
WOMEN STUDIES MAJOR

College of Science and Mathematics

Dean: Robert S. Prezant, Ph.D.

Associate Dean: Michael A. Kruge, Ph.D.

Assistant Dean: Jinan Jaber-Linsalata, Ph.D.

Programs within the College of Science and Mathematics (CSAM) provide a sound foundation for careers in industry, government, medicine, dentistry and other health professions, as well as for post-baccalaureate studies in graduate or professional schools. Programs leading to teacher certification are also available in appropriate fields.

Under the direction of knowledgeable and dedicated faculty mentors, students have access to unusually extensive facilities and state-of-the-art equipment including scanning and transmission electron microscopes, a cell culture laboratory, an animal room, greenhouse, scintillation counters, Fourier transform nuclear magnetic resonance spectrometers, gas chromatograph/mass spectrometers and X-ray diffraction spectrometers. Undergraduate research programs and internships provide students with numerous opportunities to "do science".

Since scientific computing has unique requirements, the College supports its own local area network (Sci Net). Sci Net consists of a number of state-of-the-art RISC SUN workstations and servers, DEC microVAXen, graphic workstations, IBM PCs and Apple Macintosh microcomputers. Through networking, students in all the College of Science and Mathematics departments have access to national and international computer networks and bulletin boards.

The New Jersey School of Conservation (SOC), located on 240 acres of state forest in northwestern New Jersey, is a part of the CSAM. The SOC is the oldest and largest residential environmental field center operated by a university in the world. Faculty at SOC and on-campus work together on a number of initiatives in the utilization of the SOC as an environmental laboratory. The Passaic River Institute for environmental research and education has been newly founded under the auspices of CSAM. In addition, the CSAM is a member of the New Jersey Marine Sciences Consortium and has access to the marine laboratory facilities in Sandy Hook, NJ.

A number of programs leading to degrees are administered in the College including: Biology, Biochemistry, Chemistry, Computer Science, Geography, Geosciences, Mathematics, Molecular Biology, Physics and Science Informatics. In addition, the College houses the Health Careers Program, designed to increase career opportunities for the underrepresented in science.

For pre-professional students, there are seven-year programs offered jointly by Montclair State University and the University of Medicine and Dentistry-NJ (UMDNJ) leading to the BS degree at Montclair State and either the Doctor of Medicine or the Doctor of Dental Medicine degree at UMDNJ. AS well as a 7 year combined B.S./Pharm.D. program with the Ernest Mario School of Pharmacy at Rutgers University (New Brunswick). A student accepted into one of these three programs is assured admission into the professional school upon successful completion of program requirements at Montclair State. All students accepted in the seven-year program leading to the Doctor of Medicine degree must enroll in the honors Program at Montclair State. In addition, an eight-year joint program for the B.S. degree from Montclair State and the Doctor of Medicine or the Doctor of Dental medicine degree at UMDNJ for students enrolled in the health Careers Program in the College of Science and Mathematics is available. For more information see the Special Programs section in this catalog.

Departments within the College are:

BIOLOGY AND MOLECULAR BIOLOGY
CHEMISTRY AND BIOCHEMISTRY
COMPUTER SCIENCE
EARTH AND ENVIRONMENTAL STUDIES
MATHEMATICAL SCIENCES

School of the Arts

Dean: Geoffrey W. Newman, Ph.D.

Associate Dean: Ronald S. Sharps, Ph.D.

Assistant Dean: Linda Davidson, M.F.A.

Designated as a Center of Excellence in the Fine and Performing Arts, Montclair State University continues its commitment to quality programs in art and education. Its School of the Arts offers graduate and undergraduate programs in fine arts, music, broadcasting, speech communication, dance, and theatre. In 1986, the School of the Arts was awarded the \$5.7 million Governor's Challenge for Excellence in the Arts Grant, the largest known arts program grant anywhere. The grant is designed to bridge the gap between the academic and the professional world and expands upon our already exciting arts curriculum and cultural program offerings.

In addition to the academic departments the School has a number of non-academic divisions whose mandate is to complement and enhance the curricular responsibilities of the departments. Much of the professional experiences in which students engage originate with one or more of these divisions: *TheatreFest*, the professional equity theatre-in-residence, produces a wide range of professional programs, including the TheatreFest Regional Play Festival and TheatreFest for Kids. *Arts Programming* complements both TheatreFest and Theatre Series with its own Great Events Series of national and international professional programs and *Conversations*, which brings renowned artists to campus to teach master classes and participate in an interactive lecture series. The *DuMont Television Center* serves not only the production requirements of the Broadcasting Department but the MSU body at large. It is the recipient of numerous national awards, and is perhaps best known for the weekly program *Carpe Diem* which is well known throughout the New Jersey and New York region. *The Preparatory Center for the Arts*, which is administered through the Music Department, offers private instruction, ensemble participation, and theoretical instruction in music and dance to a large segment of the surrounding community. Many graduates of this program have gone on to nationally and internationally known music program, including MSU itself. *The Division of Galleries* offers national and international shows as well as student presentations.

The School of the Arts provides professional training and education for students seeking careers in the arts, education, public service and management. It presents cultural events and offers courses and experiences in the arts for the enrichment of campus and community life. The resources of the School are taken to the community in the form of lectures, demonstrations and an equity resident theatre company (TheatreFest). The School seeks to stimulate public interest in the arts and to encourage research, creative work and experimentation in the arts.

Departments within the School are:

ART AND DESIGN
BROADCASTING
COMMUNICATION STUDIES
MUSIC
THEATRE AND DANCE

School of Business

Dean: Alan J. Oppenheim, Ph.D.

Associate Dean: Kathryn Martell, Ph.D.

Assistant Dean: Karen E. Dennis, M. Phil.

As a School of Business of a regional state university that provides quality education to a diverse student body, our goal is to graduate students who are immediately effective in cutting-edge business organizations. Our undergraduate programs are of primary importance. We prepare our students for entry and mid-level managerial positions, entry-level professional specializations, and entrepreneurial roles. Further, we equip them with the capacity to identify their own goals and proactively to manage their life-long career prospects.

To prepare our students for these roles, we must assure their mastery of:

- thinking skills: logical, critical and integrated analysis; the capacity to exercise good judgment; creative and nontraditional problem solving; and proficiency in ethical reasoning;
- discipline-specific knowledge and competencies: e.g., information technology and quantitative skills appropriate to problem-solving in a real-world setting;
- communication skills: proficiency in oral, written, presentation, and distance communication;
- change management: understanding and shaping the forces of change, including globalization, and using this understanding to formulate, evaluate, and select from alternative strategies to achieve sustainable competitive advantage;
- self-development: the capacity to engage in the effective self-management of lifelong learning to achieve continuous professional and personal growth.

The School offers two undergraduate degrees: BS in Business Administration and a BA in Economics. The BS in Business Administration has the following concentrations: Accounting, Economics, Finance, International Business, Management, Management Information Systems, Marketing, Quantitative Methods, and Retail Merchandising and Management. The BA in Economics is offered as a major or minor. Internships and cooperative education experiences are available in many of the programs offered.

Departments within the School of Business are:

ACCOUNTING, LAW AND TAXATION
ECONOMICS AND FINANCE
INFORMATION AND DECISION SCIENCES
MANAGEMENT
MARKETING

Graduate School

Dean: Carla M. Narrett, Ph.D.

Associate Dean: Kristin Cohen, Ed.M.

Assistant Dean: Kim C. O'Halloran, Ed.M.

The Graduate School has responsibility for all education at the post-baccalaureate level. The Graduate School provides leadership and direction for the University's graduate programs. It strives to create a learning environment that will ensure the highest quality graduate programs in keeping with the university's overall mission of teaching, research, and public service. Working with the faculty, the Graduate School is committed to providing access to programs and services for qualified students of all racial, cultural, and ethnic backgrounds, and to meet the needs of the State of New Jersey and the region.

In concert with the Graduate Council, the Graduate School:

- continuously reviews the University's graduate programs and policies;
- establishes and maintains appropriate admission and academic standards;
- encourages student inquiry and critical thinking;
- provides enhanced levels of professional competence;
- fosters research and scholarly activity;
- supports interdisciplinary endeavors.

There are 36 different graduate degree programs leading to a range of degrees including the Doctor of Education, Doctor of Environmental Management, Master of Fine Arts, Master of Business Administration, Master of Arts, Master of Science, Master of Arts in Teaching and Master of Education.

Academic Calendar*

2004-2005

FALL SEMESTER 2004

Opening Day	Wednesday, September 1
(No Classes)	
Classes Begin	Thursday, September 2
(Friday evening, September 10 for Friday evening or weekend courses)	
Labor Day Holiday	Monday, September 6
(No Classes)	
University Day	Wednesday, October 20
(Classes follow regular schedule)	
Thanksgiving Holiday	Thursday-Sunday, November 25-28
(No Classes)	
Classes End	Monday, December 13
Examination Period	Tuesday-Monday, December 14-20
End of Semester	Monday, December 20

SPRING SEMESTER 2005

Martin Luther King Holiday	Monday, January 17
(No Classes)	
Classes Begin	Tuesday, January 18
Spring Recess	Monday-Sunday, March 14-20
(No Classes)	
University Day	Wednesday, March 23
(Classes follow regular schedule)	
Easter Holiday	Friday-Sunday, March 25-27
(No Classes)	
Tuesday designated as a Friday	Tuesday, May 3
(for Friday day classes only; Tuesday day and evening classes do not meet)	
Classes End	Tuesday, May 3
Examination Period	Thursday-Wednesday, May 5-11
End of Semester	Wednesday, May 11
Commencement	Friday, May 20
	(tentative)

SUMMER SESSIONS 2005

Pre-Session	Monday, May 16-Thursday, June 2
(Three Weeks, No Friday Classes)	(11 sessions)
Pre-Session	Monday, May 16-Thursday, June 9
(Four Weeks, No Friday Classes)	(15 sessions)
Twelve-Week Session	Monday, May 16-Thursday, August 4
(No Friday Classes)	(extended hours Monday, 10 sessions)
Memorial Day Holiday	Monday, May 30
(No Classes)	
Saturday Classes	Saturday, June 4-August 6
	(10 sessions)
Eight-Week Session	Monday, June 13-Thursday, August 4
(No Friday Classes)	
First Four-Week Session	Monday, June 13-Thursday, July 7
(No Friday Classes)	
Six-Week Session	Monday, June 27-Thursday, August 4
(No Friday Classes)	
Independence Day Holiday	Monday, July 4
(No Classes)	
Second Four-Week Session	Monday, June 11-Thursday, August 4
(No Friday Classes)	
Post-Session	Monday, August 8-Thursday, August 25
(No Friday Classes)	(12 sessions)

*Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.

Academic Calendar*

2005-2006

FALL SEMESTER 2005

Labor Day Holiday Monday, September 5
(No Classes)

Opening Day Tuesday, September 6
(No Classes)

Classes Begin Wednesday, September 7

University Day Wednesday, October 19
(Classes follow regular schedule)

Thanksgiving Holiday Thursday-Sunday, November 24-27
(No Classes)

Wednesday designated as a Friday Wednesday, December 14
(for Friday day classes only; Wednesday day and evening classes do not meet)

Classes End Thursday, December 15

Examination Period Friday-Thursday, December 16-22

End of Semester Thursday, December 22

SPRING SEMESTER 2006

Martin Luther King Holiday Monday, January 16
(No Classes)

Classes Begin Tuesday, January 17

Spring Recess Monday-Sunday, March 13-19
(No Classes)

University Day Wednesday, March 22
(Classes follow regular schedule)

Easter Holiday Friday-Sunday, April 14-16
(No Classes)

Tuesday designated as a Friday Tuesday, May 2
(for Friday day classes only; Tuesday day and evening classes do not meet)

Classes End Tuesday, May 2

Examination Period Thursday-Wednesday, May 4-10

End of Semester Wednesday, May 10

Commencement Friday, May 19
(tentative)

SUMMER SESSIONS 2006

Pre-Session Monday, May 15-Thursday June 1
(Three Weeks, No Friday Classes) (11 sessions)

Pre-Session Monday, May 15-Thursday June 8
(Four Weeks, No Friday Classes) (15 sessions)

Twelve-Week Session Monday, May 15-Thursday, August 3
(No Friday Classes, extended hours Monday and Tuesday, 11 sessions)

Memorial Day Holiday Monday, May 29
(No Classes)

Saturday Classes Saturday, June 3-August 5
(10 sessions)

Eight-Week Session Monday, June 12-Thursday, August 3
(No Friday Classes)

First Four-Week Session Monday, June 12-Thursday, July 6
(No Friday Classes)

Six-Week Session Monday, June 26-Thursday, August 3
(No Friday Classes)

Independence Day Holiday Tuesday, July 4
(No Classes)

Second Four-Week Session Monday, July 10-Thursday, August 3
(No Friday Classes)

Post-Session Monday, August 7-Thursday, August 24
(No Friday Classes) (12 sessions)

*Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.

Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Montclair, New Jersey 07043. Completed applications should be returned to this address accompanied by a \$55.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

Admission Requirements

Freshmen

1. An application should be completed and returned as early in the senior year as possible, but no later than March 1.
2. The Scholastic Assessment Test (SAT I) should be taken preferably in October, November or December, but not later than January of the senior year. The student should request that the College Board forward the results to Montclair State University (College Board Code number 2520). The ACT may be submitted in lieu of the SAT I.
3. The student is required to have a certificate of graduation from an approved secondary school. A High School Equivalency Certificate is acceptable. Sixteen subject units must be completed according to the following breakdown:

English	4
Social Studies	2
Mathematics* (Algebra I, Geometry, Algebra II)	3
Science (laboratory)	2
Foreign Language (same foreign language)	2
Electives (in English, social studies, science, math or foreign language)	3
Total	16

*Admission to computer science requires 4 years of mathematics including trigonometry. Admission to business administration requires Algebra II.

4. Students who wish to enter a specialized field of study are assumed to have prepared for it during the high school years. Achievement scores, though not required, are useful in demonstrating area strength and may be submitted with application materials. Admission to the departments of Art and Design, Broadcasting, Communication Studies, Music, or Theatre and Dance or to the Athletic Training program in the Department of Health Professions, Physical Education, Recreation and Leisure Studies is gained through departmental tests, auditions, or interviews. Admission to Montclair State University does not guarantee acceptance into a particular department or major.
5. Application and admission dates for full-time freshmen:

Admission for:	Completed application on file by:
Fall semester	March 1
Spring semester	November 1
6. Accepted full-time students are required to pay a non-refundable \$150 fee by May 1 to hold their places in the class.
7. Freshman candidates desiring part-time admission follow the application dates listed under Part-Time Students.

Transfer Students

1. Approximately one-third of new students entering Montclair State University each year have attended another college or university.

To be eligible for *consideration* for transfer admission, a student is required to have completed a minimum of 15 college level credits with at least a 2.00 (C) average at another accredited college. In recent years, however, the minimum grade point average (g.p.a.) has been about 2.5. Specific academic programs may have additional requirements.

Please note: All transfer applicants must have completed freshman English Composition before admission to Montclair State University. Transcripts of high school and each college previously attended are to be forwarded to Montclair State University. If an applicant has completed 24 college level credits at the time of application, a high school transcript is not required.

2. Transfer students may attend on either a full- or part-time basis and must choose a major. A departmental interview may be required.
3. Application and admission dates for full-time transfer students:

Admission for:	Completed application on file by:
Fall semester	June 15
Spring semester	November 1
4. Transfer students desiring part-time admission follow the application dates listed below for part-time students.
5. International students should follow the application dates listed below for International Students.

Part-Time Students

1. Part-time undergraduate study at Montclair State offers degree program opportunities to students whose responsibilities limit the time they are able to devote to academic pursuit. Although part-time students may register for courses in the day, evening, or weekends, students whose personal schedules will only permit them to take courses in the evening should be aware that only the following majors are currently available after 4:30 p.m. Monday through Thursday:

Anthropology
Business Administration
Computer Science
Economics
English
General Humanities
Geography
History
Human Ecology
Justice Studies
Mathematics
Political Science
Sociology
2. Application and admission dates for part-time students:

Admission for:	Completed application on file by:
Fall semester	June 15
Spring semester	November 1
3. Part-time applicants meet the same admission requirements as their full-time counter parts.

Immunization Requirements

All new or continuing full- and part-time undergraduate and graduate students enrolled in a program of study at any 4-year public or independent institution of higher education in NJ are required to provide evidence of immunization as a prerequisite to enrollment. For specific information, please see Immunization Requirements under Division of Student Development and Campus Life, Wellness Services.

International Students

Students from foreign countries file an application for admission through the Office of Admissions.

Students whose native language is not English are required to submit the Test of English as a Foreign Language (TOEFL). Since the I-20 form can be granted only to accepted full-time students, candidates seeking and F-1 visa should be aware that they must apply for full-time rather than part-time admission.

Students transferring from another United States college or university will be required to submit the "Foreign Student Advisor's Report."

Transcript Evaluation

Send transcripts of all school records for course-by course evaluation to:
World Education Services, Inc.
P.O. Box 745
Old Chelsea Station
New York, NY 10113-0745

Request WES to send its evaluation to:
Office of Admissions
Montclair State University
Montclair, NJ 07043

Application and admission dates for full-time international students:

Admission for:
Fall semester
Spring semester

**Completed
application
on file by:**
April 1
November 1

Joint Admissions and Transfer Articulation Agreements with Community Colleges

For students who successfully complete either an Associate of Arts degree or an Associate of Science degree in selected Community College transfer programs, it is possible to enter directly into Montclair State University as a junior, having completed most general education requirements. These agreements are especially helpful for transfer students interested in completing a four-year degree in Business Administration, liberal arts, or mathematics and sciences. With this process in place, students can anticipate guaranteed admission and a more seamless transfer process.

NOTE: Additional admission requirements are in place for students seeking to be fully admitted into Teacher Education. Check with the Teacher Education Admissions office in Chapin Hall Room 103, ext. 7976 for specific admission requirements, deadlines to complete the requirements, and other procedural information.

Currently, such agreements have been signed with the following Community Colleges. Please see the transfer counselor at your college for specific details of included programs.

Bergen Community College
Brookdale Community College
Burlington County College
Camden County College
County College of Morris
Cumberland County College
Essex County College
Hudson County Community College
Mercer County Community College
Middlesex County College
Ocean County College
Passaic County Community College
Raritan Valley Community College
Sussex County Community College
Union County College
Warren County Community College

It is anticipated that future joint admissions and transfer articulation agreements will be approved, covering additional Community Colleges and additional degree programs. These will be listed with the Office of Admission at MSU and the Community College as they become available.

Non-Traditional Students

The adult learning division of the Center for Academic Advising and Adult Learning (CAAAL) is a tangible expression of the University's commitment to provide access to higher education and academic support for non-traditional and working adult students who are seeking to begin or complete undergraduate degree programs. The mission of CAAAL is to provide specialized support services; including advising, academic development workshops, and an Adult Academic Success Seminar, to adult non-traditional undergraduate students. Ultimately, the purpose of the adult learning division is to help ensure the non-traditional adult students' academic, intellectual, career, and personal success and enhance their way through lifelong learning.

To be considered for admission through the Center for Academic Advising and Adult Learning, students must meet the following admission requirements:

- Age 25 or over
- High school graduate or GED recipient
- Not enrolled in higher education within the last two years
- Pursuing an undergraduate degree

The Center for Academic Advising and Adult Learning also oversees the Older Adult Tuition Waiver (OLA) Program, which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students are only responsible for the student fees plus a \$25 administrative fee each semester enrolled. Students with a high school diploma or its equivalence may take undergraduate courses, and will be responsible for the undergraduate fees. Students with an undergraduate degree may take undergraduate or graduate courses, and pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements

Second Baccalaureate Students

1. Students who have been awarded a baccalaureate degree may obtain a second bachelor's degree in most non-teaching majors at Montclair State. *Business Administration is not available.* A minimum of 32 semester hours must be completed at Montclair State after admission to a second baccalaureate program. A minimum of 12 semester hours, of the 32 required, must be taken from upper-level (300 or higher) courses in the major. The academic departments determine the exact number of semester hours of major and collateral courses to be completed for the second bachelor's degree. Credits earned through this program are considered undergraduate and not applicable toward a higher degree at a later date. Second BA students pay appropriate undergraduate tuition and fees.
2. Students are eligible to apply for admission to a second baccalaureate degree program if they have graduated from an accredited four-year college with a minimum cumulative grade point average of 2.50 based upon a possible 4.00 system.
3. Applications and admission dates for second baccalaureate students:

Admission for:
Fall semester
Spring semester

**Completed
application
on file by:**
June 15
November 1

Readmission

Matriculated undergraduate students who were admitted to Montclair State, leave the institution in good standing and have been in attendance at least one semester (including summer sessions) during the immediate past academic year need not formally apply for readmission, and may continue either full- or part-time study by requesting registration information from the Office of the Registrar.

Matriculated undergraduate students who have not been in attendance for more than one academic year or who are returning from academic furlough or suspension must submit an application for readmission to the Office of the Admissions and be accepted prior to registering.

Readmitted students who have not been in attendance at MSU for more than 10 years will be responsible for fulfilling the General Education Requirements that are in effect for the catalog year at the time of readmission. Departmental chairpersons will continue to have the authority to make course substitutions within their respective disciplines.

Students who are readmitted within 10 years of having last attended the University have the option of following the General Education Requirements that were in effect for the catalog year of initial admission or any subsequent catalog year. Both categories of students must fulfill the current major requirements. This policy is effective for Spring, 2003 and thereafter.

Provisionally matriculated undergraduate students who left the University in good standing and who have not been in attendance for more than three semesters must submit an application for readmission to the Office of Admissions to be considered for re-admission prior to registering.

Provisions for Non-Native Speakers of English

Students who did not complete four years of high school studies in the United States and/or students who have not successfully completed one year of full-time enrollment in academic courses [not English as a Second Language (ESL) or basic skills courses] at a regionally accredited U.S. college or university will be required to take an English test administered at Montclair State University (MSU) prior to registration. Those who are required to take this ESL Placement Exam, and who achieve a score which indicates a need for ESL instruction, **MUST** enroll in ESL courses prior to *Basic Reading Skills* (READ 053), *Introduction to Writing* (ENWR 100) and/or *College Writing I: Intellectual Prose* (ENWR 105) and must postpone their enrollment in *Introduction to Writing* (ENWR 100) and/or *College Writing I: Intellectual Prose* (ENWR 105) until the necessary ESL courses have been completed. Students enrolled in ESL courses should not take the reading and writing portions of the Montclair State University Placement Test (MSUPT) until their last semester of ESL coursework. The ESL Placement Exams are given about once a month throughout the year. The ESL courses are administered by the Linguistics Department. Only those students who are eligible to take and have taken MSU's ESL Placement Exam are eligible to enroll in the ESL courses.

If a student is admitted to MSU and his/her ESL Placement scores indicate that ESL courses are needed, the appropriate courses will be added to the student's degree work program. Students who need to take ESL courses must begin to take these courses during their first semester of enrollment. Full-time students must complete all required ESL courses during their first year of enrollment. Part-time students must enroll in at least one required course during their first semester and continue taking ESL courses each semester until all required ESL courses have been completed; all required ESL courses must be completed within the first two years of enrollment. Students who do not complete this requirement may be dismissed from the university.

For additional information about the ESL Placement exam, contact the ESL Placement Testing Coordinator, Dickson Hall, Room 116, telephone 973-655-7965. For further information about ESL coursework, contact the Linguistics Department, Dickson Hall, Room 121, telephone 973-655-4286.

Tuition and Fees

In order to qualify for the in-state tuition rate, the student, parent(s), or guardian(s) upon whom the student is financially dependent must have lived within the State of New Jersey for a continuous period of one year immediately prior to enrollment. (N.J.S.A. 18:62) All foreign exchange students and students with non-resident immigration visas are considered non-residents for tuition purposes, regardless of where they reside while attending Montclair State University. Any questions concerning residency status should be directed to the Bursar's Office.

Tuition*

New Undergraduates-Full-time (12-18 credit hours per semester):

New Jersey Resident	\$2,655.73 per semester
Non Resident	\$4,417.86 per semester

New Undergraduates-Part-time (less than 12 credit hours per semester):

New Jersey Resident	\$177.04 per semester hour
Non Resident	\$294.47 per semester hour

Returning Undergraduates, Full-time and Part-time:

New Jersey Resident	\$161.64 per semester hour
Non Resident	\$273.99 per semester hour

Fees*

General Service Fee	\$11.00 per semester hour
Student Union Building Fee	\$11.10 per semester hour
Student Government Association Fee	\$3.24 per semester hour
Athletic Fee	\$6.60 per semester hour
Computer Technology Fee	\$6.10 per semester hour
Facilities Fee	\$9.25 per semester hour
Wellness Fee	\$6.00 per semester hour
Recreation Fee	\$5.00 per semester hour
Performing Arts Fee	\$2.50 per semester hour
Transportation Fee	\$17.00 per semester
Student Health Insurance	\$97.00 per year-full time students only

Special Fees*

Application Fee	\$55.00
Commencement Fee	\$70.00
Freshman Orientation: Freshman Fee	\$125.00
Family Orientation Fee	\$40.00
Late Registration Fee for any student who registers late	\$50.00
Late payment penalty for non-payment of account ...	\$100 per semester
Dishonored Check Fee:	
Minimum Fee	\$15.00
Maximum Fee	\$60.00
I.D. Card Replacement Fee (lost card)	\$10.00
International Student Fee	\$60.00
Music Fees: Courses in applied music and private study in composition pay regular tuition and fees, plus \$400 per applied music course.	
Older Adult Program Fee (non-refundable)	\$40.00
Parking Permit Fee	\$57.50

Parking Fines	\$25.00-100.00
Professional Liability Fee (non-refundable)	\$15.00
Special Course/Lab Fee	\$10.00-100.00
Challenge Exam Fee	\$100.00
Student Teaching Fee	\$300.00
Studio Fee	\$5.00-\$250.00
Transcript Fee	\$6.00 per copy
Same Day Service	\$12.00 first copy, \$8.00 each additional copy
Transfer Orientation Fee	\$40.00
Visiting Student Fee	\$25.00

**Tuition and fees are subject to change without prior notice.*

Refund of Tuition and Fees

Tuition and fees are refundable in full if classes are discontinued by Montclair State University.

Per Cent Refunded

Withdrawal during the first week of the semester for full term courses and prior to the third class meeting for all short term or mini courses	100%
Withdrawal during first third of course	50%
Withdrawal after the first third of course	none
Refunds for short term courses will be calculated in the same manner at the time of withdrawal.	

Students are not permitted to withdraw from courses after the midpoint of the semester. In computing refunds, the date of withdrawal is the date on which the Office of the Registrar receives a written notice from the student or from the date of the postmark for those received through the U.S. mail

Montclair State Monthly Payment Plan

This interest-free monthly payment plan, provided through Tuition Management Systems, allows full-time students (international students excluded) to spread fall and spring tuition, fees, housing and meals over 10 equal monthly payments. There are no interest charges and the fee for the entire year, beginning in June, is only \$95. Payments begin on June 1st and end March 1st. You can enter the plan until late July for first semester, and late December for second semester simply by making any payments already due. To receive enrollment information contact the Student Accounts office at 973-655-4105 or contact Tuition Management Systems at 800-722-4867 or online at www.afford.com.

Uncollectible Debts - If a student account is sent to a collection agency, the student will be responsible for the tuition and fees, room and board owed to Montclair State University, as well as the collection agency costs incurred.

Summary of Expenses

Estimated tuition*, fees*, housing** and meal expenses** for students attending Montclair State University are as follows for the nine month September-May academic year for a student taking 30 credits:

	N J Resident Commuting	N J Resident On-Campus	N J Resident On-Campus	Non Resident
	New Student	Returning Student	New Student	New Student
Tuition	\$ 5,311.46	\$ 4,849.20	\$ 5,311.46	\$ 8,835.72
Fees (identified above)	<u>1,943.70</u>	<u>1,943.70</u>	<u>1,943.70</u>	<u>1,943.70</u>
Subtotal (tuition and fees)	\$ 7,255.16	\$ 6,792.90	\$ 7,255.16	\$ 10,779.42
Housing (estimated) Single	0.00	0.00	6,400.00	6,400.00
Meals (estimated) Maximum Meal Plan	<u>0.00</u>	<u>0.00</u>	<u>2,460.00</u>	<u>2,460.00</u>
Subtotal (payable to the University)	\$ 7,255.16	\$ 6,792.90	\$ 16,115.16	\$ 19,639.42
Textbooks and Supplies (estimated)	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00
Personal Expenses (estimated)	<u>950.00</u>	<u>950.00</u>	<u>950.00</u>	<u>950.00</u>
Total	\$ 9,005.16	\$ 8,542.90	\$ 17,865.16	\$ 21,389.42

*Tuition and fee expenses are based upon Fall 2004 projected rates.

**Housing and meal expenses are based on Fall 2003 single rate and maximum meal plan.

***All Tuition, Fees, housing, and Meal Expenses are Subject to Change**

Resources and Facilities

Alumni Association/Office of Alumni Relations

All graduates of Montclair State University automatically become members of the Alumni Association, a non-profit organization that has served alumni since 1910. Contributions to the Annual Fund allow the Association, working in cooperation with staff in the Office of Alumni Relations, to support a number of programs including faculty research grants, outstanding graduate student awards, undergraduate scholarships, reunions, an affinity card program, an Online Community with a Business Card Exchange, an online Job Bank, seminars and other noteworthy projects. The Office of Alumni Relations also works with academic and other departments in organizing and promoting targeted alumni programming.

The Office of Alumni Relations is located on the second floor of the Alumni House, 34 Normal Avenue, Montclair, NJ 07043 (across from the football field), telephone, 973-655-4141.

Auxiliary Services

The Office of Auxiliary Services, located at 855 Valley Road, Clifton, NJ, represents the University for services contracted from outside sources such as the University Bookstore, as well as overseeing Central Printing and Photocopying, Convenience Copiers, and Red Hawk Dollars. For more information, please call 973-655-7431.

Bookstore

The bookstore is located on the lower level of the Student Center. Normal hours of operation are Monday through Thursday, 8:30 a.m.-8:00 p.m., Fridays, 8:30 a.m.-4:30 p.m., and Saturdays, 10:00 a.m. to 2:00 p.m. Extended hours are available at the beginning of each semester. Telephone, 973-655-5460.

The bookstore carries required textbooks and supplies as well as a wide variety of other merchandise including Apple computers. In many cases, textbooks are available for purchase several weeks prior to the beginning of the semester. It is recommended that students bring their course schedules to the bookstore to aid in the selection of books, which should be purchased early. On-line purchasing of textbooks is now available via the bookstore's Textbook Ordering System. You can either purchase or reserve your textbooks by logging onto www.montclair.bkstr.com. During the fall and spring semesters, undamaged books may be returned within 15 calendar days of the first day of class provided that students produce sales receipts.

Campus Recreation and Intramural Services

Aligned in the Division of Student Development and Campus Life, Campus Recreation and Intramural Services is a unit of the Dean of Students. Campus Recreation and Intramural Services provides opportunities for the entire campus community to participate in a variety of recreational and fitness activities. Recreational programs and facilities include intramural sports, open gym hours, aerobic classes, open swimming, special events, and use of the Fitness Center and the Fieldhouse. Various sports clubs are also available including rugby and ice hockey.

For information on facility hours, please call 973-655-4354. For program information, please call the Assistant Director of Campus Recreation at 973-655-5350. For more information, please visit our website at www.montclair.edu/pages/campusrec

Career Development Center

Academic Success Center, Morehead Hall, Room 337
Telephone: 973-655-5194, 5364

Career development is a lifelong process built on self-understanding, exploration of career interest, and acquiring skills in locating employment opportunities. The Career Development Center assists students with all phases of the career decision making process from freshman year to graduation. Students acquire skills to choose a major, find part-time work while attending school, plan long-term career goals and obtain full-time work after graduation.

Individualized counseling and testing help students learn more about themselves and the connection between their values, skills, interests and the world of work. Workshops are designed to teach students to write effective resumes, conduct successful interviews, and use the Internet for the job search. Other services include on-campus recruitment by major employers, career fairs, web-based job listings and a career library. Students who are interested in working off-campus during the semester can review job postings for full-time, part-time, and internship positions provided by employers in the Career Development Center at Morehead Hall, third floor. Visit the office home page at <http://www.montclair.edu/careerservices> to learn about current office programs, graduate schools, and information for students with disabilities, the alumni network and national job listings.

Child Care Center

The Child Care Center has been designed to be an exciting, inviting place where children can explore a wide variety of materials and activities while under the supervision of professionally trained and certified teachers. The Child Care Center provides developmentally appropriate programs for children ages three months through six years. The Center may be used by Montclair State students, faculty and staff for their children.

The Center is located in Stone Hall and the hours are 7:30 a.m. to 6:00 p.m. Arrangements can be made to provide child care until 8:00 p.m. if the need exists.

For further information and fees, please contact Janey DeLuca, Director, telephone, 973-655-7586.

Communication Disorders Center

The Communication Disorders Center is the clinical education and training facility for the master's degree program in speech-language pathology offered by the Department of Communication Sciences and Disorders. Student-clinicians, under the supervision of department faculty and professional staff, apply the diagnostic and treatment methods they have learned in their courses to assist children and adults of all ages who have disorders of communication. The Center is in operation all year, including the summer pre-session and six-week session. Services are provided to children and adults from the communities surrounding the campus and to students and staff of the University. The services available include the evaluation and treatment of disorders of articulation, voice, language, and fluency (stuttering) and for the communication problems related to hearing impairment, stroke, cleft palate, cerebral palsy, or cognitive deficits. Assistance with accent reduction is also available. For further information, contact the clinic coordinator, Elaine Hitchcock, telephone, 973-655-4232; fax, 973-655-7072.

Federal Work-Study Employment

Eligibility

Federal Work-Study (FWS) makes it possible for a Montclair student to earn money in a federally supported work-study program on- or off-campus. Eligibility is based on need as determined by the Free Application for Federal Student Aid (FAFSA). Award letters are sent to eligible students. Earnings can be used for educational expenses. Visit the Office of Student Financial Aid website, www.montclair.edu/financialaid for information.

On-Campus Employment

Montclair students who receive award letters indicating their eligibility for FWS can review job descriptions for on-campus employment in the Career Development Center, Morehead Hall, third floor. For more information, visit our home page at www.montclair.edu/careerservices or telephone 973-655-5194.

Off-Campus Employment

Federal Work Study students are eligible to participate in the University's *America Reads Program*. *America Reads* students are trained to be reading tutors for elementary school children in the Montclair community. For information, or to apply, contact the Service-Learning Program, Morehead Hall, third floor, telephone, 973-655-4363

Global Education Center

The Global Education Center at Montclair State University is designed to coordinate all international activities on campus, plan new efforts, and to advance international objectives across colleges and schools. It comprises the offices of International Services, Study Abroad Programs, International Summer Institutes and Programs for Faculty and Scholars. The Center is located at 22 Normal Avenue and is open from 8:30 a.m. to 4:30 p.m. Monday through Friday throughout the school year and from 8:00 a.m. to 5:15 p.m. Monday through Thursday in the summer.

Programs for Faculty and Scholars:

Through a grant program, the Center encourages MSU faculty to develop international expertise in their disciplines by facilitating scholarly research, teaching exchanges, collaborative projects and participation in international conferences. The Center manages linkages with institutions around the world; hosts international faculty and scholars; sponsors the Forum on International Issues series that brings distinguished international visitors to address students and faculty, and the "Tea and Talk" lecture series that provides an opportunity for faculty to interact with international scholars; it administers "Global Images: International Travel Photography," an annual photography competition for faculty and staff. It provides housing for international scholars at the Global Guest House at The Village, a new apartment complex. The Center publishes a bi-annual newsletter distributed to the University community and partner universities throughout the world.

International Services:

The Office of International Services is available to assist all international students, scholars, and faculty with all issues related to their adjustment to the University, the United States, and their immigration status. Programs and services are designed especially for international members of the University community to support them as they adjust both academically and culturally. International Orientation Sessions are held at the beginning of each semester.

Students who wish to obtain student visa status must obtain the I-20, *Certificate of Financial Eligibility*.

Advisement on the legal processing of this form is available. Students transferring from another United States college or university must also complete the Foreign Student Advisor's report. All students attending the University on F-1 Student Status or J-1 Exchange Visitor Status must be enrolled full-time (12 credits - undergraduate and 9 credits - graduate).

Montclair State University is authorized under federal laws to enroll non-immigrant alien students and participates in SEVIS, the Student and Exchange Visitor Information System.

The office of International Services is located in the Global Education Center at 22 Normal Avenue; telephone 973-655-6862. Visit us on the web at www.montclair.edu/international or e-mail us at international.services@montclair.edu

Study Abroad Programs:

Study Abroad is an educational and cultural experience that helps prepare students to become global citizens. Montclair State University offers students the opportunity to earn MSU credits while studying overseas. MSU currently has affiliations with almost 200 programs in over 50 countries including exchange, study abroad and international internship agreements. Programs incorporate all majors and include area studies, traditional intensive language programs, academic field studies, language and culture programs along with general education classes. Several enrollment options are available such as summer, term, semester and year long programs as well as short term faculty-led experiences.

There are numerous scholarships and exchange opportunities open to students applying to study abroad. These include scholarships for free tuition, room and board to study in Graz, Austria or Guadalajara, Mexico. Scholarships are also available for the new MSU Music Program at the Moscow Conservatory in Russia. In the past, private organizations have also joined with the Global Education Center to offer scholars, such as Overseas Neighbors of Montclair offering scholarships to study in Austria, and UNICO offering scholarships to Italy. MSU students have been recipients of national scholarships such as The Benjamin A. Gilman Scholarship, Fulbright, Freeman Asia, Bridging Scholarship, International Student Exchange Program, College Consortium for International Studies, Rotary World Peace Scholarship, and Oxford University in England. The Study Abroad Office will help identify and assist students with applications.

The Global Education Center offers students study abroad advisement, a full range of support services including program selection, credit transfer procedures, financial aid, registration, travel information and cultural adjustment. The Center also provides pre-departure and re-entry workshops.

For further information on Study Abroad Programs, contact Tracy Hogan, Study Abroad Advisor at 973-655-4438, e-mail HoganT@mail.montclair.edu or visit us on the web at <http://www.montclair.edu/global/students.html>.

International Summer Institutes:

Study abroad institutes are 4-6 week thematic study and travel programs let by MSU faculty and held at host universities and institutions in France, Spain, Italy, England, Mexico, China and other countries. Participants select two courses (six credits) from program-specific offerings, focused on language, literature, area studies, cultural history, and art history. All international travel arrangements, housing, numerous faculty-led field trips and overnight excursions are built into the programs to provide a comprehensive cultural experience appropriate to novice as well as experience travelers. The programs are open to MSU students, Visiting Students and in some cases members of the community and high achiev-

ing high school students. Each program includes country-specific orientations prior to departure and upon arrival in the host country, as well as re-entry workshops. A limited number of scholarships are offered to MSU students for participation in these programs. New programs are being developed each year.

For further information on International Summer Institutes, please contact Wendy Gilbert-Simon, Global Programs Coordinator, at 973-655-4185 or e-mail simonW@mail.montclair.edu or visit us on the web at <http://www.montclair.edu/globaled/summer3.htm>.

Information Technology

The Office of Information Technology at Montclair State University provides the University community with the computing equipment, networking and telecommunications infrastructure and user support services necessary to conduct the teaching, learning, research and administrative business of the institution. In December of 2001, the University opened **The Technology Solutions Center (TSC)**, our one-stop integrated services center located in College Hall, room 124, designed to simplify the manner in which computer and technology users on campus obtain service and assistance.

The Technology Solutions Center is home to our Computer Helpline, our media services staff, our training facilities, as well as a staff of technical experts prepared to assist with a wide variety of technology related topics. Among the technology services offered by the TSC are: Purchasing assistance, installation, configuration, support, maintenance of University-owned hardware, computer and general software questions; technical assistance through the helpdesk, which is available during all business hours as well as extended hours for basic assistance with common software and to log and communicate requests for computer assistance and services provided by all elements of Office of Information Technology.

Based in the TSC is the IT Faculty and Staff development program which provides support and training to MSU faculty and staff for integrating technology into instructional programs and departmental activities. The development program includes: technology-related activities, materials and training for MSU faculty and staff; one-on-one support, project advisement, semi-structured workshops and support to campus events; support to faculty on how to integrate technology into an instructional program; CO-123, which serves as both a training room and an educational technology learning lab; support for web-based course management systems and publishing; coordination of MSU staff development; communication of OIT projects, announcements and websites.

The TSC also provides maintenance for educational equipment such as projection devices, mobile teaching stations and The Distance Learning Room (located in CO-301). These media resources are used by faculty and staff in conjunction with teaching and presentation sessions offered to students, faculty and staff at the University. The Distance Learning Room can participate in 2-way audio and video transmission and can be used as a satellite download site. Instruction on how to use educational equipment or The Distance Learning Room is available through the TSC.

Other Information Technology Service units that may be reached through the Technology Solutions Center are:

Management Information Systems (MIS) maintains and manages the campus systems including the Student Information System. These systems house information pertaining to all students, including grading and financial records. MIS also provides support and service to the groups on campus that use, maintain and generate reports from these systems. MIS can be contacted at 973-655-4040.

Systems, Security, Networking and Telecommunications provides the infrastructure services to the campus including the campus network Internet access from both on and off-campus telephone services and systems including campus-wide e-mail. Networking maintains the campus fiber optic system, the internal building wiring and the networking equipment and software.

RESnet, part of Systems, Security, Networking and Telecommunications, provides networking connections to students in the residence halls. These connections provide access to the Internet. RESnet can be contacted by the Internet at <http://resnet.montclair.edu> or through the Helpline.

Telecommunications, also part of Systems, Security, Networking and Telecommunications, provides all telephones to the campus, including the Student Residence Halls. All residents have access to the telephone systems, using individual authorization codes that allow individualized billing for each student. Telecommunications can be contacted through the Helpline or at 973-655-4107 or through the main office at 973-655-4040.

Language Placement Testing

The Office of Language Placement Testing administers placement tests in six world languages (French, German, Italian, Latin, Russian, and Spanish). The testing program is designed to assist students in fulfilling their degree requirements by placing them in the appropriate level language course.

All undergraduates are required to complete six semester hours of a world language before graduating, and the Placement Test is required of all students who wish to continue studying a language with which they already have some experience. Students' placement into a world language class is based upon a review of both the Placement Test results and the number of years the student studied the language in high school.

Language Placement Testing coordinates its testing programs with the Center for Academic Development and Assessment, the office responsible for the administration of the Montclair State University Placement Test (MSUPT).

For additional information regarding the World Language Requirement, see the entry under Requirements for the Undergraduate Degree for the specific degree which you are pursuing. The Language Placement Testing Office is located in Dickson Hall, room 287; telephone, 973-655-6980; e-mail address: foreign.language.placement@montclair.edu.

ESL Placement Test: For non-native speakers of English, the Linguistics department offers an ESL Placement Test. MSU offers a full program of ESL classes designed to help prepare students for the academic demands of university level coursework, and proper placement into these courses is essential to maintain steady progress towards a degree. For additional information contact ESL office, Dickson Hall, room 116; telephone 973-655-7695; e-mail address: bollettiert@mail.montclair.edu.

Library

The Harry A. Sprague Library's resources, services, and facilities support the academic, intellectual, and cultural needs of the university community.

The collections contain more than 400,000 volumes as well as materials in diverse formats such as microforms, CDs, and videocassettes. The Library subscribes to over 2,500 periodicals and is a depository for United States and New Jersey government publications. Many online databases are available through the Library's homepage. Materials not owned by the

Library may be borrowed from other libraries. Photocopiers and microform reader/printers are available for reading and copying film and fiche collections of journals, newspapers, monographs, proceedings, reports, and government documents.

A validated ID is needed to borrow books. Soon after acquiring a validated ID card, students and faculty should register at the Circulation Counter of the Library to establish borrowing privileges.

The Library's Home Page provides access to the Library's online catalog; to online databases (many full-text); to information about the Library's resources and services; and to selected Internet sites. The Library offers online search services and subscribes to many Internet accessible and CD ROM databases covering a variety of subject fields. In the computer lab students may search the Internet, use campus computer programs, send and receive e-mail, and work on assignments using various software programs.

Helpful and knowledgeable librarians provide assistance regarding the location, evaluation, and retrieval of information resources and the use of library services. The librarians also conduct classes ranging from orientation to advanced research and assist students with individual projects.

The Library is located in the center of campus and provides comfortable and attractive areas for reading and studying, including individual seating and group study rooms. A snack lounge is located on the Lower Level.

Services are available to patrons with disabilities to enable them to examine and retrieve materials and to access services.

For Library hours: telephone, 973-655-4298. For reference information telephone 973-655-4291. For Library Administrative office, telephone 973-655-4301. The Library's website is: <http://library.montclair.edu>

The Literacy Enrichment Center

The Literacy Enrichment Center, located in the southwest corner of College Hall, rooms CO 101 to CO 109, telephone number, 973-655-4247, has faculty and facilities to provide literacy enrichment and study skills support to university students. Consultation, computer assisted instruction, tutoring and independent activities are available.

In addition to campus services available in the Literacy Enrichment Center, community needs are served by a literacy clinic for ages 6 - 18. The Center provides clinical and educational experiences for undergraduate and graduate students also.

Panzer School Council

In 1958, Panzer College, a noted single-purpose institution with a rich tradition of developing teachers for physical education and health, was incorporated into Montclair State College and became known as the Panzer School of Physical Education and Hygiene at Montclair State. The College became the custodian and depository of Panzer College records. The Panzer School Council was established in 1971 during a reorganization of the College. Presently, the Council is part of the College of Education and Human Services, Montclair State University. Membership consists of the chairperson of the Department of Health Professions, Physical Education, Recreation, and Leisure Studies and the Dean of the College of Education and Human Services. A major portion of the Council's efforts to aid students in extra-curricular activities are actively and generously supported by the Panzer-Montclair State University Alumni Association. Such support takes the form of direct scholarship aid, providing funds for professional conferences, workshops and sports clinics. Telephone, 973-655-5167.

Pre-Law Advisor

The faculty of the Department of Legal Studies counsels interested students regarding the possibilities and procedures for law school admissions. Students desiring advisement should schedule an appointment through the Department secretary. A library of law school catalogues, as well as other informative materials regarding law school admissions, are also available for review. In addition, the Department offers a Pre-Law Studies minor, an interdisciplinary program, which provides a basic foundation for those interested in attending law school. Questions regarding the Pre-Law minor can be directed to the Department chair, Dickson Hall, Room 348, telephone, 973-655-4152.

Psychoeducational Center

The Psychoeducational Center is a campus-based training facility. Its purpose is to provide transdisciplinary clinical and educational experiences for students of Montclair State University who are preparing for professional roles as early childhood, elementary, special education and literacy educators, music therapists, speech pathologists, or learning disabilities specialists. Training is conducted through the campus demonstration school, early intervention program, and testing center, which provide service to the community. The Demonstration Preschool specializes in providing developmentally appropriate services to three to five year old children on the spectrum of autism. The center is located in the Speech building, telephone, 973-655-4255 and on Clove Road at 973-655-4357.

Summer Sessions

Summer Sessions at Montclair State University provides opportunities for people to pursue undergraduate or graduate studies and take advantage of special educational, cultural and activity programs during June, July and August. Montclair State students, visiting students currently enrolled at other colleges and universities, students who are accepted to begin their college or university studies for the subsequent fall semester and high achieving high school students are encouraged to pursue their undergraduate or graduate studies during summer. High school graduates who have been out of school for at least two years may apply for non-degree undergraduate study and become eligible to enroll in summer courses.

Undergraduate and graduate credit courses are offered each summer in the arts, business, computer science, education, human services, humanities, mathematics, natural sciences, and social sciences. In addition, special non-credit and credit programs and workshops are offered. These include the gifted and talented camp for fifth through tenth graders, Stokes Forest Music Camp for youth between 10-18 years of age, English as a second language instruction, Educational Opportunity Fund residential experience, international summer institutes through the Global Education Center, and more.

Summer Sessions include a pre-session of three-week and four-week courses in late May through mid-June. In addition, there is a three-week post-session in August. The eight-week session begins mid-June and runs through the first week of August. Within the eight-week session, some courses are offered during just the first four weeks or second four weeks. A six-week program begins the end of June and ends concurrently with the eight-week session. Daytime classes generally meet Monday through Thursday while evening classes meet on a Monday/Wednesday or Tuesday/Thursday schedule. A number of twelve week evening courses meet once a week from late May through early August, and Saturday morning courses are offered over a ten-week period that begins in early June. All

summer credit courses meet the same academic and hours requirements as those offered during the fall and spring semesters.

Learn more about Summer Sessions at Montclair State. For further information, contact Montclair State University, Summer Sessions, College Hall, Room 215, Montclair, New Jersey 07043. Telephone, 973-655-4352. Fax, 973-655-7851. E-mail: summer@montclair.edu Website: www.montclair.edu/summer

Television Center

The DuMont Television Center functions as a support facility to the University and community. It serves as a laboratory for departments within MSU which instruct about television. The center assists with television services, including maintenance, repair, duplication of videotapes, advisement, consultation, video satellite viewing, distance learning, video teleconferences, and international standards conversion (VHS only). It also supports projects in television production for the university administration, instructional programs, students and co-curricular activities. Whenever possible, assistance is provided to the outside community.

The DuMont Television Center is located at the south end of Life Hall, room 117, telephone, 973-655-4341.

Transportation and Parking

All students must register for a parking permit at the start of each academic year. Students whose vehicle displays a current permit are authorized to bring registered vehicles only to campus. A shuttle bus system provides service throughout the campus, including service to and from the Red Hawk Deck, Student Center, general parking lots, NJ Transit train station, Clove Road apartments, and the Village at Little Falls.

Please refer to the following website for the Parking Rules and Regulations, as well as other pertinent transportation and parking information: <http://www.montclair.edu/pages/oyo/Parking/index.shtml>

The Writing Center

The Writing Center is available to all university students who are committed to developing themselves as writers. Designed as a separate, but complementary experience to that of the classroom, the Writing Center offers one hour weekly one-on-one tutoring sessions with trained Graduate Assistants. The goal of these sessions is to provide practical and encouraging feedback that enables writers to improve their ability to develop and express complex ideas clearly and meaningfully. Tutors work with students at any stage in the writing process: topic development, drafting, re-writing or editing.

Students may choose to come to the Writing Center on their own, or they may be required to attend by an instructor. We encourage writers at all academic and developmental levels to visit the Writing Center as it is our philosophy and our experience that all writers, from published writers to first-year writers, benefit from feedback offered by engaged and dedicated readers. Students enrolled in writing-intensive courses, such as *Introduction to Writing* and *College Writing I and II*, or their academic department's writing-requirement designated courses, are particularly encouraged to take advantage of the tutoring provided at the Writing Center.

There is no charge for these services. If an instructor has asked a student to seek tutoring, the instructor should fill out a Tutor Referral Form. This can be printed from the Writing Center web page located at English.montclair.edu. The Writing Center offers one-hour weekly appointments, as well as drop-in appointments. We look forward to assisting you. The Writing Center is located in Dickson Hall, room 285; telephone, 973-655-7442.

Division of Student Development and Campus Life

The mission of Student Development and Campus Life is to support and enhance the educational mission of Montclair State University and to assist students in reaching their goals. Division staff work in a cooperative relationship with the faculty, staff, and students to provide an environment that fosters the intellectual, psychological, physical, social and career development of students. The Vice President for Student Development and Campus Life coordinates the activities of: Academic Success Center, Admissions, Dean of Students, Financial Aid, Registrar, Intercollegiate Athletics, Residence Life, Student Center, University Police and Wellness Services. In addition, the Vice President, assisted by an Executive Assistant, the Dean of Students and Associate Deans of Students, serves as an advocate on behalf of all students attending Montclair State University.

Academic Success Center

Academic Success Center, Morehead Hall
Telephone: 973-655-4153

In the Academic Success Center (Morehead Hall), Montclair State University students may find a wide array of services designed to assist and support them as they progress from their admission to the university to the completion of their college degrees. Each of these programs is listed in alphabetical order, along with a brief description.

Center for Academic Advising and Adult Learning

Academic Success Center, Morehead Hall, Room 132
Telephone: 973-655-7114

MSU's dual advising system provides academic advising to students with majors and those who have not yet selected a major. Students with majors are assigned a faculty advisor within their respective departments. Students who remain undeclared beyond their freshman year, readmitted students, and those changing majors are seen by the academic advisors in the Center for Academic Advising and Adult Learning (CAAAL). Academic advisors and faculty advisors help students make informed decisions about course selections, academic programs and career possibilities. Students are encouraged to meet with their academic or faculty advisors each semester.

In addition to providing assistance to undeclared students, the Center for Academic Advising and Adult Learning works with adult students starting school for the first time, or returning to school after at least a 2 year absence. CAAAL recognizes and addresses the unique needs of adult learners by providing academic counseling, information about earning credits through various mediums and an Adult Academic Success Seminar which focuses on adults beginning or returning to college.

CAAAL also oversees the Older Adult Tuition Waiver (OLA) Program which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students with a high school diploma or its equivalent may take under-

graduate courses. Students with an undergraduate degree may take undergraduate or graduate courses, but must pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.

The Center is open Tuesday, Wednesday, Friday 8:30 to 4:30 p.m. and Monday and Thursday 8:30 a.m. to 7:00 p.m. during the fall and spring semester.

Center for Academic Development and Assessment

Academic Success Center, Morehead Hall, Room 139-145
Telephone: 973-655-4476/4364

The Center for Academic Development and Assessment (CADA) encompasses two major functions: 1) it coordinates and administers the Montclair State University Placement Test (MSUPT), challenge testing, post testing, readiness testing, and proctoring services to non-MSU students and external agencies, and 2) provides individual and group academic development services including tutoring to all MSU students.

The MSUPT is required of all entering freshmen, readmitted and transfer students with fewer than 26 transferable credit hours. This test includes a Basic Skills Placement Test in language and mathematics and the College Level Math Placement Test. The scholastic record of every entering undergraduate student is screened and in combination with the placement test scores, their proficiency in reading, writing, and mathematics is determined. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT. Some of these courses might offer credits, which could be used toward graduation. All students requiring developmental courses are expected to enroll in these courses during their first semester of attendance. CADA also provides guidance to other students whose records indicate that additional evaluation is necessary to determine appropriate placement in courses. In addition, CADA coordinates its testing program with the Foreign Language Placement Test and the English as a Second Language Placement Test. It also provides support to the Mathematical Sciences department in its Math Readiness Testing program. The Center for Academic Development and Assessment monitors the completion of all required developmental courses. For additional information on the MSU Basic Skills Requirements, see the entry under Academic Policies and Procedures. For more information on the MSUPT, contact our office.

The academic development component of CADA is designed to assist students achieve to their highest academic potential. Peer tutors, master tutors and graduate assistants are trained to provide individual and small group tutorial sessions in a variety of General Education and major courses. Appointments and walk-in are welcomed. Tutorial services are available from 9:00 a.m. to 8:00 p.m. Monday through Thursday, and 9:00 a.m. to 1:00 p.m. on Fridays. The service is completely free for all MSU students. In addition, CADA offers study strategies and learning techniques seminars, which include time management strategies, memory techniques, test taking, and not taking skills among others. Additionally, a series of Learning Power videotapes are available to individuals and/or small groups. To preview these videotapes please, call for an appointment.

Educational Opportunity Fund Program

Academic Success Center, Morehead Hall, Room 207

Telephone: 973-655-4385

The Educational Opportunity Fund (EOF) Program provides special admissions, financial aid, and academic support services for highly motivated students who do not meet regular admissions criteria. Eligible students come from low-income families and must be New Jersey residents. Admitted students qualify for enough financial aid to meet the expenses of tuition, fees, room and board, books, and transportation.

Applicants to the E.O.F. Program must be seeking full-time admission, residents of New Jersey for at least one year, from an educationally and economically disadvantaged background, and ineligible for admission by regular standards. Counseling, tutorial services and a six-week summer program prior to the beginning of the fall semester are mandatory components of the Program. E.O.F. assists students in adjusting to college life and competing scholastically. Scholastic Assessment Test (SAT I) must be taken no later than January of the senior year of high school.

E.O.F. Program applicants file an application for admission to Montclair State along with the Financial Aid Questionnaire according to the full-time freshman application date (March 1) for fall semester admission. In addition, complete the free application for federal aid (FAFSA) listing Montclair State University.

Family Gross Annual Income Limitations for Dependent Student Eligibility:

Households of 2 persons \$24,240

Add \$6,280 for each additional member of household.

Application and admission dates for E.O.F. freshmen candidates:

Admission for:
Fall semester

Completed
application
on file by:
March 1

Further information may be obtained through the Educational Opportunity Fund Office, Morehead Hall, room 207, telephone, 973-655-4385.

New Student Experience

Academic Success Center, Morehead Hall, Room 100

Telephone: 973-655-7609

The Office of New Student Experience coordinates several programs that maximize the student's potential for personal and academic success. The following is a list of programs for first year students:

New Student Orientation: All freshmen and transfer students are required to attend Orientation. During this program students participate in a variety of informative and exciting activities; they gather information about life on a college campus, learn about student policies and procedures, and explore academic opportunities. In addition, all full-time freshmen will meet with an academic advisor and register for courses during orientation. Transfer students should contact Academic Advising to register for courses prior to orientation.

Freshman Experience: Beginning fall 2002, all freshmen are required to enroll in a Freshman Experience course. This course is designed to help the new college student become acclimated to campus life and the academic community. Throughout the course students are introduced to a variety of strategies that can enhance learning and increase academic success.

Welcome Week: The New Student Experience staff working in conjunction with the faculty, administrators, staff and students of MSU, offer Welcome Week to help students become familiar with all facets of campus life. As the first week at college can be somewhat unsettling, we coordinate a week of activities and programs that are informational, entertaining, motivating and inspiring. Welcome Week helps students to feel at home on the MSU campus by acquainting them with the people and programs of the university.

Advising: The Office of New Student Experience provides academic advising for all freshmen who are admitted as undeclared, not including those students who were admitted to special programs. Contact the Office of New Student Experience for the name and location of your advisor. Declared students should seek advisement, with respect to academic issues, from the faculty advisor in their department/major.

Freshman Connection: This program is designed to assist freshman in achieving academic and personal success at MSU. With the exception of students admitted to special programs, each freshman is assigned a First-Year Counselor. This Counselor will mentor students during their first year of college and help them resolve concerns that could impede their academic success. Contact the Office of New Student Experience for the name and location of your First-Year Counselor.

Older Adult Tuition Waiver Program

Center for Adult Learning and Academic Advising, Academic Success Center, Morehead Hall, Room 132. Telephone: 973-655-7114

The Center for Academic Advising and Adult Learning oversees the Older Adult Tuition Waiver (OLA) Program, which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students are only responsible for the student fees plus a \$25 administrative fee each semester enrolled. Students with a high school diploma or its equivalence may take undergraduate courses. Students with an undergraduate degree may take undergraduate or graduate courses, but must pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.

Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Upper Montclair, New Jersey 07043. Students can also apply on-line at www.montclair.edu and clicking on "Applying". Completed applications should be returned to this address accompanied by a \$55.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

For more detailed information regarding the admissions procedure, see page 13.

The Office of Admissions is located in Russ Hall, telephone, 973-655-4444.

Dean of Students

Campus Ministry Programs

While Montclair State University does not have a House of Worship, student needs are served through religious groups, chartered by the Student Government Association (SGA). These groups include: Buddhist Student Organization, Chi Alpha Christian Fellowship, InterVarsity Christian Fellowship, the Jewish Student Union, Montclair Protestant Foundation, Muslim Student Organization, and Newman—the Catholic Campus Ministry. Chaplains and Campus Ministers can be reached at: Newman Center, 973-746-2323 or 973-655-7240; Jewish Student Union: 973-655-5280; Campus Ministry Office, 973-655-5364.

Dining Services

There are various locations on campus where food service is available; Blanton Hall, Freeman Hall, the College Hall Snack Bar, the Red Hawk Diner and several locations in the Student Center, including the Cafeteria, Rathskeller and Student Center Dining Room. The Red Hawk Express is located outside Dickson Hall. Catering services are also available. The Convenience Store is located in the Student Center. Vending machines are located in many buildings across campus. Operating schedules are posted at each location. At various locations within this dining program, food services are available 24 hours a day and seven days a week.

Meal plans are available for resident and commuting students. In addition, any student may participate in the University's debit card program, Red Hawk Dollars. For more information please contact the University Food Services Liaison at 973-655-5415.

Wellness Services

Wellness Services is composed of the Health and Wellness Center on the first floor of Blanton Hall, Counseling and Psychological Services in Gilbreth House, Services for Students with Disabilities in Morehead Hall, Suite 305, Wellness Education in Bohn Hall, and the Office of the Director of Wellness Services in Bohn Hall. Each of these services has been designed to meet the health and wellness needs of students throughout the campus at MSU.

Our goals are to (1) teach you how to maintain your physical and psychological health and well being, (2) assist you in deciding when you need care, (3) provide care and preventive services in a convenient and sensitive manner when appropriate, (4) assist you in learning how to utilize the health care system, and (5) empower you to make informed decisions about your health.

Wellness Services provides direct care, individual health and psychological counseling, health maintenance and wellness promotion, assistance with alcohol and other drug issues including tobacco cessation, wellness education services and programs throughout the year, and services for students with disabilities designed to meet student needs and ADA requirements. The Office of the Director of Wellness Services is located in Bohn Hall (street level) with Wellness Education and is open Monday through Friday from 8:30 a.m. to 4:30 p.m. with evening hours scheduled as needed during the fall and spring semesters. During the summer, the office is open Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-7555; fax, 973-655-6977. For more information about Wellness Services, immunizations or insurance, go to www.montclair.edu/wellness.

Confidentiality

All Health and Wellness Center, Counseling and Psychological Services, and Services for Students with Disabilities patient/client records are **strictly confidential** and are not a part of other University records. No information is recorded on any permanent college record, so it cannot appear on a transcript or any other official document. No information about a student's visit to these services will be released to anyone without specific written permission from the student, except in the event of an extreme emergency where a clear danger to self and/or other exists.

Health and Wellness Center

The Health and Wellness Center is a campus resource and service center for all students at MSU. The Center provides direct care by nurse practitioners and physicians including the treatment of illness, women's health, HIV/STD/pregnancy screening, immunizations and health education. In addition, the staff works closely with Counseling and Psychological Services and Services for Students with Disabilities, as well as other campus and community resources for referral needs.

All registered students pay a wellness fee that entitles them to the use of the Health and Wellness Center. There are no additional charges for the services at the center with the exception of minimal charges for medications and laboratory tests. However, no student will be refused care due to their inability to pay. Visits are by appointment only unless the problem is an emergency.

The Center is located in Blanton Hall (first floor) and is open Monday, Tuesday and Thursday from 9:00 a.m. to 8:00 p.m. and on Wednesday and Friday from 9:00 a.m. to 5:00 p.m. during the fall and spring semesters. During the summer, the health center is open Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973- 655-4361; fax, 973-655-4159.

Counseling and Psychological Services (CAPS)

Montclair State University's Counseling and Psychological Services provides personal counseling and psychological services for Montclair State University students. CAPS, a department of Wellness Services, helps students to make the most of their academic education, prevent future problems, and assists students in developing to their fullest potential by learning new skills and resolving conflicts that may limit their performance.

All registered students pay a wellness fee that entitles them to the use of all services offered by CAPS. There are no additional charges for these services. However, a brief wait for services may occur at busier times of the year, as well as overall limitations on the number of sessions any one student is eligible to receive. Staff and faculty members are eligible for short-term consultation and referral.

The staff of CAPS consists of licensed psychologists, doctoral-level clinical and counseling psychologists, and selected graduate students who work under close supervision. The staff of CAPS has special expertise in areas such as: short-term counseling; coping with stress and depression; sexual abuse; eating disorders; relationship problems; family issues; substance abuse; test-taking anxiety and socio-cultural concerns.

CAPS is open 9:00 a.m. to 5:00 p.m., Monday through Thursday, and 8:30 a.m. to 4:30 p.m., on Friday during the fall and spring semesters. During the summer, the office is open Monday through Thursday from 9:00 a.m. to 5:00 p.m. and closed on Friday. Additionally, limited evening hours are available on Thursdays during the semester by appointment only. Urgency of need is always taken into consideration when scheduling appointments. The Center is located in the Gilbreth House (behind Freeman Hall, south end of campus). Please call for appointments. Telephone, 973-655-5211.

Services for Students with Disabilities

Services for Students with Disabilities (SSD) provides counseling and academic accommodations to students with physical, psychological, learning, and sensory disabilities. The mission of the office is to provide full access to all curricular and extracurricular activities sponsored by the University in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

The SSD serves as a liaison between the student with a disability and the rest of the University community. This includes Counseling and Psychological Services, the Health and Wellness Center, Alcohol and Other Drug Programs, Residence Life, University Police, and all academic departments. These services are located in Morehead Hall, Suite 305 and are available on Monday and Thursday from 8:30 a.m. to 7:00 p.m., and on Tuesday, Wednesday, and Friday from 8:30 a.m. to 4:30 p.m. during the fall and spring semesters. During the summer, services are available Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-5431. Fax, 973-655-5308.

Wellness Education

Wellness Education develops programs to address wellness issues that are pertinent to Montclair State University students. These include but are not limited to, wellness maintenance, alcohol and other substance abuse, smoking cessation, nutrition, eating disorders, body image awareness, safer sex practices, sexual advocacy, domestic violence, peer education, stress management, and mental health issues.

Wellness Education is located in Bohn Hall on the street level. Services are available Monday through Friday from 8:30 a.m. to 4:30 p.m. with scheduled programming on selected evenings during the fall and spring semesters. During the summer, services are available from Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-7397. Fax, 973-655-6977.

Immunization Requirements

All new or continuing full- and part-time undergraduate and graduate students born after 1956 enrolled in a program of study leading to an academic degree at any 4-year public or independent institution of higher education in NJ are required to provide evidence of immunization as a prerequisite to enrollment as follows:

Measles: Evidence of two doses of a live measles-containing vaccine, or any vaccine combination containing live measles vaccine that was administered after 1968—first dose administered on or after the student's first birthday and second dose administered no less than one month after the first dose, or documented laboratory evidence of measles immunity. A student vaccinated with a killed measles containing vaccine, or an unknown vaccine prior to 1969, shall be revaccinated or produce laboratory proof of measles immunity.

Mumps: One dose of live mumps virus vaccine, or any vaccine combination containing live mumps virus vaccine on or after the student's first birthday, or documented laboratory evidence of mumps immunity.

Rubella: One dose of live rubella virus vaccine, or any vaccine combination containing live rubella virus vaccine on or after the student's first birthday, or documented laboratory evidence of rubella immunity.

The only exemptions from these requirements are students born before 1957, students enrolled in a program for which students do not congregate on campus, whether for classes or to participate in institution-sponsored events (home study, distance learning), certain medical conditions in which immunizations pose a health risk, and clearly proscribed and documented religious exclusions.

The University must enforce student compliance within 60 days of enrollment. A registration hold that will prevent future registration activity will be placed on the records of all students who are not in compliance after this provisional period is over.

A student may be registered on a provisional basis for the first term if the required immunization documentation is not available at the time of registration. Prior to registration for the second term, a student shall either present documentation of immunization or proof of immunity as outlined above or be re-immunized.

Meningitis: The State of New Jersey requires that all full and part-time incoming college freshmen, transfer and graduate students be provided with information about meningitis and the availability and benefits of the meningitis vaccine. Each student must submit documentation of their decision whether or not to receive the vaccination. Each university must record this information. In addition, as of September, 2004, the state now requires that all new students enrolled in a program of study leading to an academic degree at a public or private institution of higher education who reside in a campus residential facility must receive a meningococcal vaccination as a condition of attendance at that institution.

Documented proof of immunity must be submitted to the Health and Wellness Center. Forms for this purpose are available from the Admissions Office and the Health and Wellness Center. Failure to submit the required documentation will result in a registration hold that will prevent future registration for classes. Students can send or fax original documentation signed by a licensed health care provider, a copy of a signed and authorized school record, or the completed and signed MSU Immunization Information form to the Health and Wellness Center in Blanton Hall. Telephone, 973-655-4361. Fax, 973-655-4159. Go to www.montclair.edu/wellness for forms and more information about immunization requirements.

Health Insurance

New Jersey state law mandates that all **full-time** undergraduate and graduate students have accident/sickness insurance. MSU has arranged for a plan to be available for students who have no other coverage. In addition, this plan is also optionally available for part-time students and dependents.

The Bollinger Insurance Company provides this coverage to MSU students. The cost for this insurance is automatically included with the tuition bill for full-time students and is currently \$97.00 for the year. Part-time students may also enroll in the plan by completing the appropriate enrollment card, which is available in the Student Accounts office, College Hall, Room 218.

The Bollinger plan is a **basic** accident/illness policy with minimal coverage. Students covered by this policy are encouraged to seek care at the Health and Wellness Center **prior** to using outside services to reduce out-of-pocket expenses.

Students who currently have health insurance under another plan may have the Bollinger Insurance plan and the premium deduction on the tuition bill waived by completing a waiver card and returning it to the Student Accounts office, College Hall, Room 218.

Claim forms for Bollinger Insurance coverage are available at the MSU Health and Wellness Center. For more information, call the Bollinger Insurance Company at 1-800-526-1379, or visit their website at: www.BollingerInsurance.com/MSU.

The Women's Center

The Women's Center, aids in the education of women and men with respect to their changing roles, rights and responsibilities in today's world. Different programs, workshops and weekly discussion groups are offered each semester and are developed to address the current needs of the campus community. A reference library and a referral service are available to Montclair State University students. We encourage the personal growth and empowerment of women through personal coaching, mentoring service and advocacy. The Women's Center serves as a safe space on campus for all women.

Interested students may have a chance to work as student staff and coordinate activities, contribute to the newsletters and learn to facilitate discussions and workshops in such areas as sexual harassment and sexual assault, domestic violence, leadership, assertiveness training and self-esteem.

For further information, please contact the Women's Center located in the Student Center, Room 421; telephone, 973-655-5114.

Financial Aid

Information regarding the financial aid programs may be obtained from the Office of Student Financial Aid. Programs of financial assistance are revised from year-to-year and therefore both eligibility criteria and the availability of funds may change. For additional information concerning application and procedures visit our website at www.montclair.edu/financialaid. Our mailing address is:

The Office of Student Financial Aid
CO-321
Montclair State University
Montclair, NJ 07043-9987
E-mail: financialaid@montclair.edu

The Office of Student Financial Aid provides financial assistance to eligible Montclair State students through the following:

Federally Funded Programs

1. Federal Stafford Loan Program
2. Federal PLUS Loan Program
3. Federal Pell Grant Program
4. Federal Perkins Loan Program
5. Federal Supplemental Educational Opportunity Grant Program
6. Federal Work-Study Program

State of New Jersey Programs

1. Edward J. Bloustein Distinguished Scholars Award
2. Educational Opportunity Fund Grants
3. Outstanding Scholar Recruitment Program
4. Urban Scholars
5. Survivor Tuition Benefits Program
6. Tuition Aid Grants
7. Veterans Tuition Credit Program
8. New Jersey World Trade Center Scholarship Fund

9. Dana Christmas Scholarship for Heroism
10. Miss New Jersey Educational Scholarship program
11. Paul Douglas Teacher Scholarship program

Satisfactory Academic Progress

Federal and State regulations mandate that recipients of financial aid be in good academic standing and be making "Satisfactory Academic Progress" towards a degree. Montclair State University has established minimum standards for "Measurable Satisfactory Academic Progress". Students must meet the University's "Retention Standards" and earn 67% of their attempted credit hours in order to be eligible for and continue to receive federal and/or State aid. Withdrawals (WD's), failures (F's) and repeated courses are factors that may contribute to a student's ineligibility.

Scholarships and Awards

Many special awards, funds, and scholarships have been established by the benefactors of Montclair State University who share its interest in quality education. A complete list of these opportunities may be found at the back of this catalog in the Appendix of Scholarships and Awards.

Veterans

The Office of Student Financial Aid provides information and advice to students regarding federal and state Veterans' benefit programs. All United States veterans who enroll at Montclair State should contact the office as early as possible in their academic program. All veterans should submit a copy of their discharge papers (DD214) to the Office of Student Financial Aid. Benefits are not available for audited courses or courses completed previously with a passing grade. Any change in student status must be reported to the Office of Student Financial Aid in writing.

All U.S. veterans who completed a minimum of six months active duty are eligible to receive three elective credits, one of which fulfills the one semester physical education requirement. Applications to receive these credits are available from the Office of Student Financial Aid.

For further information contact the Office of Student Financial Aid, CO-321 College Hall. Telephone, 973-655-4462.
E-mail: financialaid@montclair.edu.

Visiting Students

It is the policy of Montclair State not to process financial aid (federal or State, including loans) for "visiting students" attending during the academic year or Summer Sessions. The Office of Student Financial Aid will assist these students with the completion of forms required by their home institution to process financial aid.

Intercollegiate Athletics

Aligned in the Division of Student Development and Campus Life, Montclair State offers a diversified varsity athletic program of 21 sports for men and women. Student-athletes enjoy competition year-round within NCAA Division III, at the local, regional, and national level. Montclair State is also a member of the New Jersey Athletic Conference, the Metropolitan Collegiate Athletic Conference, the Eastern College Athletic Conference and the Knickerbocker Lacrosse Conference.

The women's varsity program includes basketball, cross country, field hockey, lacrosse, soccer, softball, swimming/diving, tennis, indoor/outdoor track, and volleyball.

The men's varsity program includes baseball, basketball, cross country, football, lacrosse, soccer, indoor/outdoor track, wrestling and swimming/diving.

Panzer Gymnasium Complex—Six lane indoor pool; wrestling room; fitness center; training room; locker rooms; basketball court and auxiliary gym.

Sprague Field—Astro-turf; seating for six thousand; permanent lighting system (all home football, field hockey, and lacrosse games are scheduled for this facility).

Pittser Field—Soccer complex and eight tennis courts.

Softball Field—Varsity softball field.

Dioguardi Field—An eight-lane, 400 meter, all weather track which encircles a multi-purpose field located below the Fieldhouse. The track is open year-round and is lit during Fieldhouse hours in the fall, spring and summer sessions.

Yogi Berra Stadium—The MSU baseball team plays its home schedule at this minor league stadium.

The Intercollegiate Athletics Office is located in Panzer Gymnasium, telephone, 973-655-5234 or 5236. The Red Hawk Sports Hotline for game results is 973-655-7645.

Residence Life

Montclair State University offers several living arrangements for resident students. Situated around the academic buildings are six traditional residence halls. Two apartment complexes are located at the northwest corner of the campus on Clove Road. Each residence facility contains lounges, recreations areas, study rooms and laundry facilities, and every student room is wired for cable television and internet access.

Freshmen are given high priority for campus residence and returning students may apply for succeeding years.

Each residence facility is staffed by a Residence Director and Resident Assistants. The Resident Assistants are peer educators who provide programming and are especially helpful in introducing new students to the campus as well as campus life.

All resident students, except those living in apartment communities, must choose one of the meal plans available for the dining halls. Apartment residents have the option of selecting a meal plan or Red Hawk Dollars. For more information, please call 973-655-7889.

Student Center

The Student Center and Annex are a main gathering place for social and recreational activities. This large modern complex has a cafeteria, Rathskeller, and formal dining room. Students and guests may enjoy the services of the bookstore, convenience store, flea market and a 24-hour computer lab. Also centrally located in the Student Center is an information desk, study lounge, commuter lounge, classrooms, ballrooms, Student Center Operations, ID-Card office, and several meeting rooms. In addition, the facility houses the Office of the Vice President for Student Development and Campus Life, and offices of the Dean of Students, Student Activities, the Women's Center, the Student Government Association, Campus Recreation, and Greek Affairs. Also nearby, there is the Fieldhouse, which has a weight room and locker room facilities.

For specific schedules of operations please call the respective department.

Student Center Main Office	973-655-7548
Student Activities	7818
Scheduling	4411
Program Coordinator	7546
Campus Recreation	7443
Greek Affairs	5350
I-Cards	4147
Information Desk	5329

Identification Cards

Students, faculty and staff are required to have a Montclair State University Photo Identification Card. This card must be shown to borrow books or copies of tapes from the Library; to use a book on Library reserve; to use the fieldhouse, and to participate in various activities sponsored by the Student Government Association and Montclair State University.

All students currently holding an ID-Card should receive a current validation label upon paying their university bill. Validation labels can also be obtained at the ID-Card Office or at the Bursar or Registrar offices by presenting a current class schedule. All new students attending orientation during the summer will have their ID-Card photo taken during this time. All other new students should obtain an ID-Card immediately after registering for classes. Extended ID-Card Office hours are provided in the beginning of each semester. In order to obtain an ID-Card, students need to present their current class schedule or paid receipt and another form of identification. Students are encouraged to obtain an ID-Card within one year from the date they are admitted. There is a \$10.00 charge for replacement cards.

The ID-Card Office is located in The Student Center, (1st floor, near the computer lab). Office hours are Monday through Friday, 8:30 a.m. to 4:30 p.m. and Thursday evenings until 7 p.m. during the semester while classes are in session. For more information, please call 973-655-4147.

Scheduling/Conference Services

Montclair State University provides space and services to students, faculty, staff, and others who wish to utilize University facilities for other than classroom use. Facilities which can be scheduled include: the Student Center, classrooms, auditoriums, athletic facilities, and the amphitheater. The Scheduling Office can also assist in acquiring other services such as media and food services. The office is located in the Student Center, Rooms 407, 408; telephone, 973-655-4411.

Student Activities

The Office of Student Activities is responsible for co-curricular and extra-curricular programming, in which all students at Montclair State University are encouraged to participate. In addition to working with all student organizations on campus, special emphasis is placed on the needs of the commuter student. Activities are designed to develop and refresh the body and mind in the form of entertainment, educational enrichment, cultural diversity and fine arts activities. The following organizations listed under the Student Government Association support these objectives.

The Office of Student Activities is located in the Student Center.

Student Government Association, Inc. (SGA)

All undergraduates are members of the Student Government Association. The SGA provides services through fees paid by all full-time and part-time undergraduates.

The legislative branch is composed of student representatives from each school and academic department. The executive branch consists of the president, vice president, treasurer, and secretary.

STUDENT ORGANIZATIONS OF THE SGA

CLASS I ORGANIZATIONS OF THE SGA

Class One Organizations are open to all MSU undergraduates. They provide programming and/or cultural events for the entire student body. These organizations are allotted a yearly budget by the Student Government Association Legislature, and have offices located on the first floor of the Student Center Annex.

ACTIVE STUDENTS SERVICE IN SOCIETY TOGETHER (A.S.S.I.S.T.), located in the Student Center Annex, Room 120, telephone 973-655-5102 is a charity and community service organization of the Student Government. While promoting our numerous charities and causes, we try to get everyone to have a great time, too. We believe that trying new and exciting things will get MSU students active, thus increasing the benefit to our charities. You can find a lot to do with A.S.S.I.S.T., so check out our upcoming events...it's all for a great cause!

CLASS I CONCERTS (C1C) Located at the Student Center Annex, Room 117, telephone 973-655-4478. Class One Concerts offers MSU students a variety of concerts. All shows are arranged exclusively by students providing them the opportunity to learn and participate in all aspects of concert production. If you love music, C1C is for you.

COLLEGE LIFE UNION BOARD (CLUB) Located in the Student Center Annex Room 112D, telephone 973-655-5232. CLUB sponsors social, cultural, and educational activities on campus. Movies, trips, parties, lectures, comedians and other activities are planned each semester, as well as the annual Winter and Spring Balls, Homecoming and Spring Week. If you are excited about getting involved in all aspects of college life... CLUB is for you.

INTERNATIONAL STUDENT ORGANIZATION (ISO) Located in the Student Center Annex, Room 120, telephone 973-655-5386. The goal of the ISO is to promote better understanding, communication and interaction between people of all nations and cultures represented at Montclair State University.

LATIN AMERICAN STUDENT ORGANIZATION (LASO) Located in the Student Center Annex, Room 100, telephone 973-655-4440. LASO exposes the college community to Latin American influences in the arts, literature, history, Latino issues and cuisine by sponsoring various events such as: lectures, dances, and Latin Month, thereby accenting the MSU campus with the opportunities to have a better understanding of the Latin American culture.

THE MONTCLARION (MSU's NEWSPAPER) Located in the Student Center Annex, Room 113 telephone 973-655-5241. The weekly newspaper keeps the university community abreast of campus news, local events and news of other colleges. Students gain experience in the areas of news, editing, layout, typesetting, and advertising. All undergraduates are eligible for staff positions.

ORGANIZATION OF STUDENTS FOR AFRICAN UNITY (OSAU) Located in the Student Center Annex, Room 119, telephone 973-655-4198. OSAU exposes all students to a positive social, cultural, and educational impact of the Black experience. In addition to sponsoring cultural activities, OSAU also sponsors KITABU, a library on black culture (located in their office), KWANZAA, Choir, Black History Month and also a student produced newsletter.

PLAYERS Located in the Student Center Annex, Room 118, telephone 973-655-5159. Players is a theatrical organization that gives students, acting majors as well as non-acting majors, the opportunity to participate in every phase of play production. Among the productions that Players presents are one acts and full-scale shows and musicals.

WMSC-FM Located in the Student Center Annex, Room 110, telephone 973-655-7466. WMSC-FM is the student-run radio station located in the Student Center Annex. We're at 90.3 on the FM dial, playing "The Best New Music you can't hear anywhere else. If you ever wanted to learn about the inner workings of radio, or even wanted to become an on-air DJ, then this is an opportunity you just can't miss! Our office hours are Monday - Friday, 9a.m. to 5p.m. Just drop in and join!

Request Line, 973-655-4256. Excellent opportunity for broadcasting, communication, and/or music majors!

CLASS II ORGANIZATIONS OF THE SGA

Arab Student Organization (ASO)

Caribbean Student Organization (Caribso) (973-655-5732)

Chi Alpha Christian Fellowship (SC-Room 122)

Haitian Students Association (HSA)

Indian Culture Club (ICC)

Intervarsity Christian Fellowship

Human Relations and Leadership development Association (HRLDA)

Muslim Student Association (MSA)

Native African Student Organization (NASO)

Sexuality, Pride, Education, Truth, Respect, and Unity (SPECTRUMS)

CLASS III ORGANIZATIONS OF THE SGA

Accounting Society

Anthropology Club

Chinese Club

Classics Club

Cognitive Science Club

College Republican Club

Commuter Student Union

Cognitive Science Club

Democratic Organization of College Students (DOCS)

Economic and Finance Society

Financial Management Club

German Club

Fashion Club

Hellenic Student Organization

Helping Each Other and Redefining Tomorrow (HEART)
 Hillel (Jewish Club)
 International Business Society
 Japanese Club
 Justice Studies Club
 Korean Students Organization
 Le Cercle Francais
 Management Club
 Minority Teachers Candidate Organization (MINTCO)
 MSU Dietetics Association
 MSU College Republicans
 National Association for the Advancement of Colored People (NAACP)
 New Jersey Community Waterwatch
 Newman Catholic Campus Ministry
 Nontraditional Student Organization (NTSO)
 Pakistani Youth of American Society (PYAS)
 Polish Student Organization
 Psychology Club
 Red Hawk Records
 Teaching Athletes Leadership Opportunities Now (TALON)
 Team Infinite
 United Asian American Student Organization (UAASO)
 Voices
 Women Achieving Victory, Equality, and Solidarity (WAVES)

CLASS IV ORGANIZATIONS (Greek Organizations)

Greek Council (973-655-7393)
 Inter-Fraternity Council (IFC)
 Inter-Sorority Council (ISC)
 United Greek and Social Fellowship Council (UGSFC)
 Professional House
 National Pan Hellenic Council (NPHC)
 National Panhellenic Council (NPC)
 Alpha Iota Chi (S)
 Alpha Kappa Alpha (S)
 Alpha Kappa Psi (Co-ed Business F)
 Chi Upsilon Sigma (S)
 Delta Chi (F)
 Delta Phi Epsilon (S)
 Delta Xi Delta (S)
 Groove Phi Groove (F)
 Iota Phi Theta (F)
 Kappa Alpha Psi (F)

Lambda Sigma Upsilon (F)
 Lambda Tau Omega (S)
 Lambda Theta Alpha (S)
 Lambda Theta Phi Latin Frat Inc. (F)
 Lambda Upsilon Lambda (F)
 Mu Sigma Upsilon (S)
 Phi Beta Sigma (F)
 Phi Mu Alpha Sinfonia (F)
 Phi Sigma Pi (Co Ed)
 Phi Sigma Sigma (S)
 Pi Kappa Alpha (F)
 Psi Sigma Phi (F)
 Sigma Alpha Iota (S)
 Sigma Delta Phi (S)
 Sigma Delta Tau (S)
 Sigma Sigma Sigma (S)
 Swing Phi Swing (S)
 Tau Kappa Epsilon (F)
 Tau Phi Beta (F)
 Theta Kappa Chi (S)
 Theta Xi (F)
 Zeta Phi Beta (S)

The Student Government Association (SGA) welcomes each student's participation. For further information regarding activities of the SGA, contact the SGA, Student Center Annex, Room 103; telephone 973-655-4202.

University Police Department

Montclair State University maintains a full-time autonomous police department, whose mission is to protect and serve members of the Montclair State community. The department is a full service law enforcement agency comprised of sworn police officers and dispatchers. Police Officers enforce the criminal and motor vehicle laws of the State of New Jersey and University Rules and Regulations. In addition they receive and investigate all reports of criminal activity on campus.

The University Police Department handles all emergent incidents on campus, including the dispatch of EMS and Fire when needed.

A confidential TIPS hotline is available for reporting incidents, just dial TIPS (8477) from any campus phone.

For more information about the police, self-defense and crime prevention programs, or other police related matters, call University Police Department, telephone, 973-655-5222.

Emergency Medical Services

Emergency Medical Services (EMS) are available with emergency transport to local hospitals. Call University Police at Ext. 5222 for immediate assistance. The Office of Emergency Medical Services is located in the Student Center. Telephone (non-emergency), 973-655-7836.



Academic Policies and Procedures

Academic Advisement

All students are encouraged to seek academic advisement each semester. Students with a declared major receive their academic advising from their major department advisor. Freshmen students with an undeclared major receive their academic advising from their New Student Experience advisor in Morehead Hall, Room 100. Undeclared students beyond their freshman year receive their academic advising from the Center for Academic Advising and Adult Learning in Morehead Hall, Room 132. Students admitted in special programs, such as the Equal Opportunity Fund Program, the Health Careers Program and the Honors Program are assigned advisors within their specific areas.

Academic advisors and department faculty advisors provide students with assistance in developing an academic program of study, choosing courses consistent with this program as well as discussing career options.

Advanced Placement

Students with demonstrable equivalencies may, under appropriate circumstances, be exempted from required courses and permitted to take more advanced work. Eligibility for advanced placement may be established on the basis of high school records or by scoring sufficiently well on specialized tests including the Advanced Placement Examination of the College Entrance Examination Board, College Level Examination Program (CLEP) tests, challenge examinations, etc. Students desiring advanced placement are advised to consult with the appropriate department chairperson to determine specific possibilities within their area of competence.

Application for Final Audit

Students who are eligible for graduation must file an *Application for Final Audit* in the Office of the Registrar according to the following deadlines: **October 1 for the following May graduation; June 1 for the following January graduation; March 1 for the following August graduation.**

Prior to the final opportunity to change registration for the final semester, the student will be mailed a copy of the final audit listing requirements that must be completed in order to meet the intended date of graduation.

It is the student's responsibility to complete the curriculum prescribed in the Montclair State University catalog in effect, or as subsequently modified, when he/she matriculates. For undergraduates, a minimum cumulative grade point average of 2.000 (C) and major grade point average of 2.000 based upon a possible 4.000 system is required. The major grade point average includes required major courses, major elective courses, and collateral courses. Inquiries pertaining to an individual's program of studies shall be referred to the appropriate academic or faculty advisor. It is the student's responsibility to meet all graduation requirements.

Baccalaureate degree candidates who have been evaluated for New Jersey Teaching Certificates must complete the *Application for Certification* and pay the required fees in the Office of the Registrar during the following periods: **March 15 to April 15 for May graduation; October 15 to November 15 for January graduation; July 1 to August 1 for August graduation.**

The New Jersey State Board of Education requires most candidates for *instructional* certificates to take one or more sections of the Praxis Series tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in the Teacher Education Admissions Office, Room 103, Chapin Hall.

Attendance

Students are expected to fulfill all course requirements, and although attendance is not always mandatory, it is desirable. Absence from laboratory or studio sessions shall be by agreement with the instructor. Instructors should notify the students, in writing, of what the course requirements will be. Professors may penalize the student for failure to meet specific attendance requirements.

Students who register are considered enrolled in their course(s) regardless of attendance. Refunds will only be processed, according to deadlines published in each semester's Schedule of Courses booklet, for registered students who have formally withdrawn from a course. Students not following this procedure will be charged for all course(s) in which they are registered. Lack of attendance does not constitute a basis for a refund or withdrawal from course(s).

Audit Policy

To "audit" a course at Montclair State University is to attend class regularly, without the obligation of participating in class discussions, laboratory work, examinations, performances or any class activity other than listening. A course may be audited under the following conditions:

1. Audited courses do not carry academic credit.
2. The University's attendance policy applies to audited courses.
3. Students auditing a course must establish eligibility for admission, register, and pay the required tuition and fees.
4. Students must file an Audit Application with the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.
5. A course may be audited only if the department chairperson permits, and if there is space in the class.

For students who ALSO registered for courses carrying regular academic credit:

1. Audited courses are considered part of the student's course load which may not exceed the maximum limits.
2. An "audit" may not be changed to "credit" nor a "credit" to "audit" after the first three weeks of the semester.
3. The student's record will show a grade of "AU" for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.

For students who are registered ONLY for "audited" courses:

1. The student may not change to a credit basis during the term of enrollment.
2. The student's record will show a grade of "AU" for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.
3. A student who later seeks credit by examination for a course previously audited must be enrolled at the University at the time that the examination is taken and is subject to such fee charges for the examination as the University may establish.
4. A student who has audited a course may take the course at a later date for credit.

Basic Skills Requirements

Montclair State University expects all students to demonstrate proficiency in writing, reading, computation, elementary algebra, and speech. The Montclair State University Placement Test, (MSUPT) provides for the demonstration of such proficiencies through a program of skills assessment and academic development. All students admitted to Montclair State University will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT scores are in and placements are determined. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT; credits may be added to the number of semester hours required to graduate. All students are expected to enroll in required developmental courses during their *first* semester of attendance. Full-time students **MUST COMPLETE ALL REQUIRED DEVELOPMENTAL COURSES DURING THEIR FIRST YEAR** of enrollment. Part-time students must enroll in at least one required course during their first semester and continue each semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. Students not completing this requirement may be dismissed from the university.

The Montclair State University requirement in speech must be fulfilled within a student's first 58 semester hour credits by satisfactory completion of the speech communication requirement or by successful Speech Placement Waiver evaluation. Students may consult the department of Speech Communication for a fuller description of the program.

Note that Basic Reading Skills, Basic Skills Math I and Basic Skills Math II do not carry graduation credits. However, these courses do provide credits toward a student's full-time status and, with the exception of "P" (Pass) grades in Math Lab I and II, they do count toward the student's grade point average.

Further information may be obtained from the Center for Academic Development and Assessment, Morehead Hall, Room 139, telephone 973-655-4476.

Cancellation of Courses and Staffing

Montclair State University reserves the right to cancel any course for which the enrollment is insufficient. Students may then register, without penalty, for another course for equal credit or receive a full refund of tuition and fees. The University also reserves the right to change faculty assignments and, therefore, cannot guarantee students faculty of their choice.

Class Standing

Sophomore standing is defined as 30.00-59.99 semester hours earned; junior standing is 60.00-89.99 semester hours earned; senior standing is 90.00 or more semester hours earned.

Commencement

Commencement exercises are held in the spring of each year for students who have earned degrees in the preceding January or August as well as for May degree candidates. In order to participate in Commencement a student must have completed all degree requirements before the degree conferral date. Candidates who are either removed from the May graduation list or re-file for a subsequent degree conferral date will be eligible to participate in Commencement the following May. Students should file for final audit by October 1 for May graduation, June 1 for January completion, and March 1 if the degree is completed in August. In addition to the formal University-wide Commencement exercises, each School and College hosts a Convocation Ceremony during the week prior to Commencement.

Course Loads

Full-time undergraduate students should earn 15-16 credit hours per semester. Special permission is required to take a Course Overload of more than 19 semester hours. To be considered a full-time student one must register for and continue active enrollment in at least 12 semester hours for the entire semester.

Full-time undergraduate students who have at least sophomore standing (30 credit hours earned) and a 3.000 or above cumulative grade point average for the semester most recently completed may, upon the approval of the Dean of the College/School in which the student is majoring, register for a Course Overload. A College/School Dean may make exceptions to the above eligibility criteria for Course Overloads. Requests for Course Overloads of 23 or more credit hours must additionally be approved by the Director of Academic Advising.

Montclair State University reserves the right to reduce the course load of any student who registers for more than 19 credit hours without Course Overload approval.

Students enrolled in fewer than 12 credits are considered part-time. Provisionally matriculated students may not register for more than 9 credits per semester.

Course Overlap

Students may not register for courses where there is a time/day overlap.

In certain laboratory or studio type courses, in exceptional circumstances, course registration overlap may be permitted with written approval of the instructors of both courses as well as the approval of the dean(s) and chairperson(s) responsible for the instructional area(s).

Students must submit written approval to the Office of the Registrar in order to register for overlapping courses; this must be done in person by the student or his/her representative.

Credit by Examination and Assessment of Life Experience

Montclair State offers the opportunity to all students to earn credit through the College Level Examination Program (CLEP). The Advanced Placement Examination of the College Entrance Examination Board (CEEB), the Thomas A. Edison College Examination Program (TECEP), departmental challenge exams, evaluation of life experience through the American Council on Education (ACE) or Portfolio Assessment of Experiential Learning at Thomas A. Edison State College are also acceptable ways by which credit may be earned.

The CLEP General Examinations offer entering students the chance to earn up to 24 credits towards the bachelor's degree. In addition to the general examinations there are also over 30 CLEP subject examinations. The following policies apply regarding the use of credit from CLEP exams toward the degree at Montclair.

THESE RULES APPLY TO ALL STUDENTS ADMITTED EFFECTIVE FALL 2001 OR THEREAFTER AND ALL STUDENTS (REGARDLESS OF ADMISSION DATE) WHO TEST AFTER 9/1/01.

All students are responsible to know and apply the following rules and regulations which govern the application of credit earned through CLEP General and Subject Matter Exams toward the Montclair State degree. It is very important that all students recognize that **ACHIEVING THE REQUIRED TEST SCORE DOES NOT NECESSARILY MEAN THAT CREDIT IS APPLICABLE TOWARD MONTCLAIR STATE'S**

GRADUATION REQUIREMENTS. IN ADDITION, IT IS THE STUDENT'S RESPONSIBILITY TO INSURE THAT HE/SHE IS NOT SEEKING CREDIT FOR A COURSE FOR WHICH PREVIOUS CREDIT WAS GRANTED. Students who fail to adhere to these policies may not be permitted to apply CLEP credit toward the degree regardless of score on the exam.

1. CLEP General Exams must be taken prior to completion of the student's first sixty (60) credit hours of undergraduate coursework. Students should not register in the first semester for courses for which they plan to seek CLEP credit.
2. Subject Matter exams, which are taken for possible use in fulfillment of major or collateral requirements, must receive advanced written approval in the form of an Undergraduate Academic Program Adjustment form, which can be obtained in the Center for Academic Advising and Adult Learning, Morehead Hall, Room 132. CLEP Subject Matter exams may not be included within the last 24 credits. (See "residence requirement")
3. Those students seeking credit for ENWR 105 College Writing I: Intellectual Prose via the CLEP General Exam must include the essay with the English test. Please note that the essay is not available at each CLEP administration. **ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST (MSUPT) IN WRITING MAY RECEIVE CREDITS FOR THE CLEP EXAM IN ENGLISH REGARDLESS OF CLEP EXAM SCORE.** A student who fails the Writing portion of the MSUPT must take ENWR 100 even if achieving an acceptable score on CLEP. Students wishing to use a CLEP General exam to obtain credit for ENWR 105 College Writing I: Intellectual Prose, should receive advanced written approval from the First Year Writing Coordinator. Please see the section entitled "Waivers and Credit Adjustments for First Year Writing".
4. **ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST IN COMPUTATION AND ELEMENTARY ALGEBRA MAY RECEIVE CLEP GENERAL CREDIT IN MATHEMATICS REGARDLESS OF CLEP EXAM SCORE.** This policy shall apply to all students seeking Math CLEP credit regardless of major.
5. Students receiving six (6) credits in foreign language will be required to complete an additional six (6) credits of foreign language to fulfill the language requirement. Students earning twelve (12) credits will be required to complete either LNGN 220 The Structure of American English, an upper level course in the same language, or a lower level course in a different language.

Students having questions about these guidelines are encouraged to contact their Academic Advisor *before* taking any CLEP tests.

CLEP tests are given at testing sites located throughout the state of New Jersey. For specific information regarding testing sites and CLEP preparation courses, students should contact their Academic Advisor.

Montclair State offers students the opportunity to take subject matter challenge examinations for many courses. Not all courses are eligible for credit by examination.

Students, who wish to utilize the evaluating services of Thomas Edison State College (TESC), must make a request to TESC, telephone, 609-292-3400, in their first semester of enrollment at Montclair State University (MSU). This evaluation and a report of credit must be sent to MSU for evaluation. Failure to initiate this process in the first semester may result in the loss of credit. Students should meet with their Academic Advisor prior to contacting TESC.

Dean's List

The Academic Dean's List, issued after the close of each fall and spring semester by the academic deans, gives recognition to students with a 3.500 or higher semester grade point average (GPA). A minimum of 12 credits must be earned in courses that contribute to the GPA.

Part-time undergraduate students are eligible for the Dean's List each time they achieve a GPA of 3.500 or higher on 12 or more credits which contribute to the GPA. The credits must be earned in two consecutive semesters, excluding summer sessions, with a minimum of six credits in each term. Once a semester's credits have been used to successfully attain Dean's List status for a part-time student, they may not be used for this purpose again.

Final Examinations

Final examinations and evaluations are generally of a comprehensive nature covering the semester's work, but the form, determined by the nature of the course subject matter, varies with individual professors and classes. A schedule of final examinations is found in the Schedule of Courses booklet each semester.

Final examinations are weighted in relation to other evaluations which are made throughout the semester and do not replace periodic tests and other means of measuring student progress.

Grades and Standards

The following grades are used at Montclair State:

A	4.0	Excellent	D+	1.3	Poor	P	Pass
A-	3.7		D	1.0		IN	Incomplete
B+	3.3		D-	0.7		WD	Withdrew
B	3.0	Good	F	0.0	Failure	AU	Audit
B-	2.7					NC	No Credit
C+	2.3					IP	In Progress
C	2.0					WP	Withdrew Pass
C-	1.7					WF	Withdrew Fail

Basic Skills courses, whether they carry credit toward graduation or not, contribute to the grade point average, except for Math Lab I and II (given on a Pass/Fail basis) if a grade of "P" is earned.

The mark "F" signifies: (1) academic failure; (2) failure of the student to submit written notice of withdrawal; or (3) withdrawal after the final withdrawal deadline. The mark "WD" is given to those who submit in writing (to the Office of the Registrar) their intention of withdrawing from a course before the withdrawal deadline.

The grade "IN" is intended to indicate that the student has not completed the course and that a grade is being withheld until the work is performed and approved. Students must enter into a formal contract with the faculty prior to the end of the semester, using the form available in the Office of the Registrar. The "IN" if not replaced with a final grade by the established deadline, will become an "F." Exceptions can be granted only upon petition to the appropriate College/School Dean.

A change of grade request from other than an "IN" grade, must be processed by faculty and approved by the appropriate College/School Dean no later than the end of the next full semester following the semester in which the grade was earned. For students completing degree and certification programs, all required course work must be completed by the appropriate conferment/graduation date. The instructor must submit the final grade to the Office of the Registrar no later than 30 days thereafter in order for the diploma/certificate to be awarded. No changes will be

made to the academic record beyond 30 days of the conferment/graduation date. The only exception to this policy is for Incomplete grades in electives beyond the number of credits required for the degree or program which may be changed according to the time frames for Incompletes as outlined above.

For purposes of determining the grade point average (GPA) for graduation, academic honors, dean's list, academic probation, academic forgiveness, suspension and dismissal, and all other situations which require a specific GPA, Montclair State University maintains GPA's to three decimal places. No additional rounding will occur.

Students can obtain their grades for any semester through WESS, the Web Enrollment Services for Students.

Graduation Honors

Undergraduate students who have completed a minimum of 51 undergraduate credits at Montclair State are recognized for academic honors. Grades of "A" through "D-" must be received for a minimum of 48 of these 51 credits.

For recognition of May candidates at the Commencement Exercises, the honors designation will be based upon the student's cumulative grade point average as of the previous January.

Academic honors are awarded as follows:

Cumulative GPA of 3.450 - 3.649 cum laude

Cumulative GPA of 3.650 - 3.849 magna cum laude

Cumulative GPA of 3.850 - 4.000 summa cum laude

An honors diploma will be awarded. A period of three-four months should be allowed for ordering, printing, and mailing. However, the honors notation will appear on the official transcript approximately one month after graduation.

Independent Study

Montclair State University offers opportunities for students to undertake academic credit on an independent study basis. Students who wish to register for independent study courses must obtain an "Independent Study Application" form from the Office of the Registrar. This form must be completed in full and approved by the instructor and the department chairperson prior to registering.

The full course number (except section number) is required on the form. Registration for independent study courses must be processed in person in the Office of the Registrar by the student or a representative of the student. One copy of the Independent Study Application form is then given to the student; one is sent to the department chairperson and one to the instructor; the original is retained by the Office of the Registrar.

Leave of Absence

Undergraduate students in good academic standing may take a leave of absence of one or two semesters by arrangement through the Center of Academic Advising and Adult Learning located in Morehead Hall 132.

Students who take a leave of absence for one semester do not need to apply for readmission and can simply register for the next upcoming semester during the registration period. Students who remain away from MSU for two or more semesters must submit a readmission application with the Office of Admissions by the set admission deadlines: August 1 for the fall semester and December 1 for the spring semester.

Major Declaration

Undeclared students must declare a major by the time they have earned 60 semester hours. Students are expected to complete the major for which they apply within the normal number of semester hours required for completion of the degree program. For most undergraduate degree programs, this is 120 semester hours; however, certain programs require more than 120 semester hours.

Pass/Fail Grading

1. Available to Montclair State University Undergraduates Only. All Montclair State undergraduates are eligible to select one course per semester for which they are registered for pass/fail credit, not to exceed 24 semester hours in the degree program.
2. Eligible Courses: Only those courses which are free electives in the student's program. The purpose of this option is to encourage students to explore unfamiliar areas of study without concern for the effect on academic standing.
3. Ineligible courses are those courses which meet the major, minor, collateral, teacher certification, communications or general education requirements. Note that all courses taken in the major department and all collateral courses shall be used in determining the major GPA, thereby rendering these courses ineligible for the Pass/Fail option. (The only exception could be a course that the department has specified previously as not being acceptable in the major program.)
4. Courses offered on a pass/fail basis only will not preclude the student from also taking an additional course on a pass/fail option.
5. Grading: Students will receive either a grade of "P" (pass) or "F" (fail) for course work completed under the option. A grade of "P" does not affect the student's average; however, a grade of "F" will have the same effect as a traditional failure.
6. Students may elect to rescind the pass/fail application at any time prior to the ninth week of the spring or fall semester or its equivalent for short term and summer courses. Students should know that letter grades will not replace "P" grades if changing majors, attending graduate school, obtaining certification, applying to other colleges requiring letter grades, etc.

Procedure:

Any student electing the pass-fail option must complete a "Pass/Fail Application" and return it to the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.

Plagiarism

All papers, reports and research submitted by students shall be their own except as properly annotated. The copying or imitating of others' work is plagiarism. A student guilty of plagiarism may be subject to dismissal.

Prerequisite Courses

It is the student's responsibility to satisfactorily complete a prerequisite course before scheduling a dependent course.

Registration

Registration is processed through WESS, the Web Enrollment Services for Students. Specific directions can be found on the web and in each semester's Schedule of Courses booklet.

Repeated Courses

The policy of Montclair State University does not allow undergraduate students to repeat, more than twice, a course in which a grade of "F" was earned. The Dean of each College and School will have the discretion to make exceptions to this policy in special cases and extenuating circumstances. This policy became effective on September 1, 1997, and applies to all students regardless of their date of entry to Montclair State University.

Courses in which the student received grades of "C-" or higher cannot be repeated for credit. If a course in which the student previously earned a grade of "C-" or higher at MSU is repeated at MSU (other than on an official Audit basis -- see section on Auditing Courses) the second grade will be posted as NC (No Credit). It is the student's responsibility to ensure that his/her registration does not include ineligible courses.

To repeat a course a student must register and make payment for that course. Courses must be repeated prior to graduation. There is no special approval required to repeat a course in which a grade of "D-", "D", or "D+" was received. Where a course is no longer offered, the Dean of the College or School, in consultation with the Department Chairperson, shall designate an appropriate replacement course. A course repeated at another institution does not remove an "F", "D-", "D", or "D+" at Montclair State.

When a course has been repeated, both the original and subsequent courses are included on the permanent record, but the credit is counted only once. The grade received in the repeated course becomes the official final grade.

Residence Requirements

A minimum of 32 credit hours of the total required for the baccalaureate degree must be completed at Montclair State. The final 24 credit hours required for graduation must be taken at Montclair State and cannot be acquired through transfer. This policy is strictly adhered to.

Any student who transfers from another institution with advanced standing in a major field of study is required to complete a minimum of twelve credit hours of upper level course work in the major at Montclair State. Some curricula may require more than this minimum.

Standards for Academic Progress

For Academic Standards purposes, total semester hours attempted will be used to determine a student's class standing.

Students are subject to academic probation, suspension or dismissal if the cumulative grade point average (GPA) is below 2.000 for the number of semester hours attempted. Semester hours attempted include all courses taken at Montclair State and any credits earned through transfer, credit by examination or assessment.

Probation

Students will be placed on academic probation if their GPA falls below 2.000 at the end of a semester or summer session. Students are removed from academic probation when their cumulative GPA is 2.000 or better.

Suspension

If while on academic probation, a student who has attempted a minimum of 12 semester hours and earns a cumulative GPA below 2.000 for a semester or summer session's work, that student will be academically suspended. Students academically suspended can not enroll in courses at Montclair State University under any circumstances for two semesters. Students who have been academically suspended and have been away from Montclair State University for the prescribed length of time are eligible to apply for readmission through the Office of Admission. Readmitted students are not necessarily admitted back into their chosen major. Readmission is not automatic and will be based upon the review of documents submitted in support of the readmission application. Addition-

ally, readmission is based on the probability of success in the chosen major and upon the space available at the time of readmission.

Dismissal

A student who is readmitted from academic suspension must earn at least a 2.000 semester GPA their first semester back or the student will be academically dismissed.

Students academically dismissed can not enroll in courses at Montclair State University under any circumstances for two calendar years or until they have earned at least 30 semester hours from another accredited college or university. Students who have been academically dismissed are eligible to apply for readmission through the Office of Admission. Readmission is not automatic and will be based upon the review of documents submitted in support of the readmission application.

Standards for Formal Written Work

Most courses at Montclair State require written assignments because writing is one of the best ways to explore, refine, and demonstrate knowledge. The following statement describes the mental operations and the writing skills that the faculty expects in your *formal* written work. (You should assume that an assignment requires formal preparation unless your instructor states otherwise.) *College Writing I: Intellectual Prose* and *College Writing II: Writing and Literary Study* provide a solid foundation in these abilities, but that is only the beginning. The written work that you do in all your courses will build on the foundation established in *College Writing I: Intellectual Prose* and *College Writing II: Writing and Literary Study*, developing your ability to think and to communicate your thoughts in writing.

In the academic world, as in the world at large, readers will judge your written work primarily on the basis of its content; that is, on the quality of the information and opinions it contains. However, the careful organization and the clear, concise expression of that content are essential if your readers are to grasp your full meaning. The faculty will therefore evaluate the organization and expression of your written assignments along with the content. Grammar, mechanics, and appearance will also be considered, because problems in these areas can interfere with readers' comprehension of your work, or even prevent them from giving it their serious attention.

Individual departments and instructors may add their own requirements to this statement, and each instructor will decide how the various elements will influence grading in a particular course. However, in the course that you will take to satisfy your graduation requirement in writing, you will be given a grade of Incomplete and referred to the Writing Center if your writing has severe problems. This will apply regardless of the average grade of any other work done in that course.

If you have questions about these standards, you may seek clarification from your instructors, from the English Department, or from the Writing Center staff. The Writing Center (Dickson Hall, Room 285, 973-655-7442) offers consultation and tutorial help to all students, ideally through regularly weekly appointments, but also on a drop-in basis. There is no charge for this service.

Writing and Thinking

You should be able to perform with college-level competence the mental operations on which written work depends. These include:

- Generalization: Finding the common element that relates particular examples or instances to each other; abstracting.
- Inference: Drawing out meanings that are implied but not stated explicitly; reading between the lines.
- Analysis: Examining parts of the whole, such as causes, effects, and processes.
- Synthesis: Forming ideas into new relationships; creating.

- **Evaluation:** Making judgments according to criteria.

You should be able to apply to new situations the knowledge you have gained from your classes, your reading, and your investigations.

You should be able to draw your own conclusions, rather than simply to restate or summarize the ideas of others.

You should be able to state a thesis clearly and support it with reasoning and evidence.

You should be able to organize the parts of a paper in an orderly sequence, governed by a controlling purpose that is clear to the reader. Paragraphs and subsections should also have their own internal order.

You should be able to adapt what you write to the needs and expectations of your intended audience, whether it is your peers, your teacher, other scholars in a discipline, or the general public.

The Writing Process

Successful writing is seldom merely the recording of the writer's first thoughts. More often it is the result of a process involving several stages.

You should know how to use strategies that will help you to:

- Choose and limit a topic
- Produce rough and polished drafts
- Collect information
- Revise and edit
- Develop ideas
- Proofread

Library Research and Documentation

You should be able to locate, evaluate, and use materials published in various forms, including books, periodicals, newspapers, government documents, indexes, abstracts, microforms, websites, electronic mail, discussion groups, and other media materials.

You should be able to summarize or paraphrase the written work of others. Paraphrased material must be completely restated in your own words, and should blend smoothly into your style.

You should be able to identify your source material according to the method your instructor requires. Data or distinctive ideas taken from sources must be identified by the methods of an approved citation system (i.e., MLA, APA, etc.), *even if those ideas are not quoted directly*. Direct quotations must be identified by a citation as well as by quotation marks or block indentation.

Failure to treat source material properly may be construed as plagiarism, a serious academic offense. (See Plagiarism under Academic Policies and Procedures.)

Standard English, Grammar, Style

Your papers should be written in formal, standard English. They should be free of nonstandard constructions (such as double negatives) and of informal usage (such as "The experiment went O.K.").

Your sentence structure should be free of major grammatical problems, such as sentence fragments, subject-verb disagreement, inconsistent verb tenses, unclear pronoun reference, and misplaced modifiers.

Your sentences should be clear and concise, showing capable use of the tools necessary to a mature writing style, such as coordination, subordination, parallelism, and transitional devices.

Your choice of words should be precise and appropriate to your subject. You may sometimes find it essential to use technical terms, but you should always avoid unnecessary jargon.

Mechanics and Appearance

Your papers should contain no errors in spelling, punctuation, capitalization, or typing.

You should show careful attention to matters of appearance, including legibility, neat corrections, and suitable presentation.

If your instructor does not specify how you are to present your paper you

may follow these recommendations:

Use a cover sheet that includes:

- Your name
- The title of the paper
- The title and section number of the course
- The name of the instructor
- The date

Make margins at least one inch all around.

Number the pages.

Formal papers should be carefully proofread and typed. Last minute corrections should be neat and clear.

Student Responsibility

Students are expected to assume responsibility for knowing and meeting the various regulations and procedures set forth in the Montclair State University catalogs and in the schedule of courses booklet published each semester. Montclair State University reserves the right to terminate the enrollment of any student whose conduct, class attendance, academic record or financial obligation should prove unsatisfactory.

Student Rights

The *Family Education Rights and Privacy Act of 1974* (FERPA) permits the University to release directory information about a student unless the student specifically requests that this information be withheld. Students who do not wish directory information to be released should notify the Office of Student Development and Campus Life, Room 400, Student Center, within the first two weeks of each semester.

Montclair State University defines directory information as: name and address, telephone number, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, height and weight of members of athletic teams, dates of attendance, degrees and awards received, photographs, most recent previous institution attended, date of degree conferment, career (UG/GR), status (full-time or part-time), and classification (freshman, sophomore, junior, senior, pre-matriculated, provisionally matriculated, matriculated, etc.). Student rights under FERPA include the following: the right to inspect and review; the right to request amendment of records; the right to consent to disclosure, with certain exceptions; the right to file a complaint with the U.S. Department of Education; the right to obtain a copy of the student records policy (a policy statement pertaining to this matter may be obtained from the Office of the Vice President of Student Development and Campus Life).

Transcripts

In order to receive an official Montclair State University transcript, students must complete and sign a transcript request form, available through the Office of the Registrar or on the web (www.montclair.edu/transcript). A fee of \$6.00 per copy (both undergraduate and graduate records for the same student are considered one copy) is payable, in advance, to Montclair State University. Same day processing service is available at a charge of \$12.00 for the first copy and \$8.00 for each additional copy.

At the conclusion of each semester, please allow ten working days for grade processing. Transcript requests which include grades from the immediately preceding semester will be processed after the grading cycle is complete. Transcripts will not be released for students who have a financial obligation (e.g., library, parking, loan, etc.) to Montclair State University.

Students may also access their grades through WESS, the Web Enrollment Services for Students.

Transfer Credit

Undergraduate students who would like to take courses at another regionally accredited institution and transfer the credits to Montclair State University must complete the form "Request for Work at Another Institution" available in the Office of the Registrar prior to enrollment in the course(s) being transferred. Students are strongly encouraged to speak to their advisor before taking courses elsewhere. Once an official transcript is received all accepted credits will be listed, without grades, on the students permanent Montclair State University record. Grades earned at other institutions are not included in the Montclair State University cumulative grade point average, and cannot be used to repeat a "D+", "D", "D-" or "F" grade earned at MSU. However, transfer credit hours are used in determining the student's class level.

Entering transfer students to MSU will receive an assessment of their transfer credits and how these credits will be used in the accepted or intended program of study. Courses with grades of "D+", "D", or "D-" are accepted only if the transfer student has an A.A. or A.S. degree from an accredited transfer institution.

Transfer Credit

Non-Accredited Institutions

To receive transfer credit from an institution which is not regionally accredited but is licensed by the state to grant degrees:

1. In the first semester, a full-time student shall earn a minimum of 12 semester hours with a minimum grade point average of 2.000.
2. A part-time student shall earn a minimum of 12 semester hours in the first 14-15 semester hours attempted and with a minimum cumulative grade point average of 2.000.

Undergraduates in Graduate Courses

Montclair State University seniors within 16 semester hours of completing the baccalaureate degree requirements, who possess at least a 2.700 grade point average and have taken all required prerequisites, may apply for permission to take up to 6 hours of 500 level courses for either undergraduate or graduate credit or up to 6 hours of 400 level coursework for graduate credit, if prior permission is granted. A graduate course taken for undergraduate credit *cannot* later be included in a graduate degree program. If courses are taken for graduate credit, graduate tuition and fees will be charged and the courses will appear on a graduate record. The required forms are available at the Graduate School; they must be completed and submitted to the Office of the Registrar in person when registering.

Admission of an undergraduate to a course that yields graduate credit does not imply future acceptance into any graduate program. That can only be done through the normal graduate admission process. Those planning to matriculate in graduate programs at Montclair State University should refer to the Graduate Catalog for specific admission requirements.

Waivers and Credit Adjustments for First Year Writing

The following policies apply to students entering as freshmen or as transfer students beginning in Fall 1998.

To obtain waivers or credit adjustments for ENWR 100 *Introduction to Writing*, ENWR 105 *College Writing I: Intellectual Prose* or ENWR 106 *College Writing II: Writing and Literary Study*, students must see the First Year Writing Coordinator, in the English Department.

Waivers of *College Writing I: Intellectual Prose* and *College Writing II: Writing and Literary Study*, must be completed before the end of the sophomore year for students who enter the university as freshmen. Transfer students must complete these waivers by the end of their first semester of attendance.

Waiver of Requirement with Credit

A. Students may receive 3 credits for *College Writing I: Intellectual Prose* through one of two means:

1. Score 4 or higher on the ETS Advanced Placement Examination in English Language and Composition.
2. Score 50 or higher on the ETS College Level Examination Program (CLEP) General Examination in English Composition, with essay. (Students must first qualify to take *College Writing I: Intellectual Prose* by achieving the appropriate score on the Montclair State University Placement Test.) Note rules for taking CLEP exam in section on CLEP exams.

B. Students may receive 3 credits for *College Writing II: Writing and Literary Study* through one of two means:

1. Score 4 or higher on the ETS Advanced Placement Examination in English Literature and Composition.
2. Score 50 or higher on the ETS College Level Examination Program (CLEP) General Examination in Analyzing and Interpreting Literature, with essay. (Students must first qualify to take *College Writing I: Intellectual Prose* by achieving the appropriate score on the Montclair State University Placement Test.) Note rules for taking CLEP exam in section on CLEP exams.

Withdrawal from Courses

During the Fall and Spring semester, students may withdraw from any class through the ninth week of the semester through WESS and receive a grade of "WD". Students wishing to withdraw after the ninth week may petition their individual instructors for grades of "WP" or "WF" through the last day of classes.

During Summer Sessions, students may withdraw from a course and receive a grade of "WD" up to the midpoint of the course. Students wishing to withdraw after the mid-point may petition their individual instructors for grades of "WP" or "WF" through the last day of classes. Withdrawal deadlines are published each year in the Summer Sessions catalog and on the website <www.montclair.edu/summer>. Students may use WESS to drop courses through the first day of class. After the first day of class and through the midpoint of the course, all requests to withdraw from Summer Sessions courses must be submitted to the Office of the Registrar in writing. Students may fax a request to withdraw (973-655-7371), they may mail a written request to withdraw, or they may complete a Withdrawal form. Refunds are computed from the date of receipt of the written notice of withdrawal, or from the date of the U.S. postmark for those received through the U.S. mail. Refunds are not based upon the circumstances that necessitate the withdrawal. Students who do not drop their course(s) either through WESS or by written notice to the Registrar will receive the grade of "F" in those courses they cease to attend.

Exemptions from these deadlines will only be considered when unforeseeable and uncontrollable circumstances prevent the student from withdrawing by the official dates prescribed by the University. Requests for exemptions should be made in the Dean of Students office and appropriate documentation must accompany the request. Refund requests must be submitted in writing to the University Controller subsequent to the withdrawal from class.

Withdrawal from Montclair State

University

All undergraduate students who decide to withdraw or would like to request a leave of absence from Montclair State University must complete a "Notice of Withdrawal/Leave of Absence" form available in the Center for Academic Advising and Adult Learning, Morehead Hall, Room 132. If the student is a minor, the signature of a parent or guardian is required on the "Notice of Withdrawal/Leave of Absence" form. Strict adherence to the withdrawal procedure is necessary for possible readmission to Montclair State.

Submitting the Notice of Withdrawal/Leave of Absence form will not drop students from courses. In addition to filing the official withdrawal form, students must withdraw from the semester through WESS or by filing a "Course Withdrawal Form" in the Office of the Registrar, according to established deadlines.

Requirements for the Undergraduate Degree

The academic program of Montclair State has been designed to provide each student with an in-depth experience in a major program, a sequence of courses to develop basic communication skills, and a series of general education courses to expose the student to the breadth and methods in the various fields of human knowledge. The structure of the general education program is designed to provide the best comprehensive liberal arts education for all students.

The following pages provide a description of the degree program requirements and an outline of the general education program required of all students. These requirements are fundamental and should be a major part of the first two years of a student's undergraduate program. Departmental curriculum guides provided for your major course sequence should also be consulted.

A minimum of 120 semester hours of course work are required for the baccalaureate degree. However, more than 120 semester hours may be required, depending upon the major field of study.

In addition to the requirements stated above, the University requires that the academic preparation of all incoming students be reviewed and appropriate testing be administered through the Montclair State University Placement Test. If a student is found to have deficiencies in the areas of reading, writing, computation and/or elementary algebra, developmental courses are required and the student is expected to meet minimum standards during the first year of attendance at Montclair State.

Major

One of the purposes of an arts and science program is to provide the student with a broad general education in addition to a major field of study. While a major may consist of a minimum of 32 semester hours, including a writing requirement, the actual number of semester hours vary significantly depending upon the academic discipline. In addition, a number of undergraduate degree programs offer a separate concentration, which complements and provides a supportive area of expertise interrelated to the major. For details on specific majors and their concentrations, consult the academic programs section within this catalog and academic or faculty advisors.

Free Electives

Students may fulfill their remaining credits for a minimum of 120 semester hour degree requirements through the selection of any other courses. Students may also choose a minor in a field by taking the appropriate course work as part of their free electives. They may also use electives to meet other program requirements such as the multicultural awareness course and teacher certification.

General Education

With knowledge and technology increasing at an ever faster rate and global communication closely intertwining different world cultures, General Education at Montclair State University seeks to prepare students to be lifelong learners, information literate, knowledgeable, active and discerning citizens, culturally aware, and self-reflective critical thinkers who can function locally as well as in the nation and the global community. It seeks to provide students with the knowledge base and skills to adapt to the work place as well as to function in an increasingly complex society. On completion of the program the student will enjoy the benefits of the best of the traditional liberal arts curriculum together with a contemporary approach to social and technological change: facility in a foreign language, a sense of history, a perspective on social sciences, a

familiarity with the humanities and art, and an understanding of computer science, mathematical and scientific principles and some of their modern applications; and an understanding of major cultures around the world.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in every course. Whenever possible, professors will show how several academic disciplines bear on a single course or topic. The General Education Program dedicates some of the major resources of Montclair State to the benefit of introductory students and exists in synergy with the academic requirements of the major.

All first time freshman who began their studies at Montclair State in Fall 2002 or thereafter and transfer students entering Montclair in Fall 2005 must meet the requirements of the Gen Ed 2002. Transfer students entering MSU prior to Fall 2005 must meet the 1983 General Education Requirement (GER).

Gen Ed 2002 combines a strong disciplinary component with an interdisciplinary component that deals with contemporary issues. New interdisciplinary courses are aimed at raising the level of awareness of our students as to what it means to be responsible citizens of their community, the USA, and the world. In these courses, students will have the opportunity to study scientific, national, and global contemporary issues from an interdisciplinary perspective. They comprise the major difference between the Gen Ed 2002 and the 1983 GER. These courses also create meaningful common experiences for students that will enhance the Montclair experience. Course descriptions are listed below.

A minimum of 120 semester hours is required for the baccalaureate degree. However, depending upon the major and choice of free electives, programs may require more than 120 semester hours for completion. For details on specific programs, consult the academic programs section of this catalog and the program worksheets for your major available from an academic advisor or faculty advisor. Also, general information on teacher certification may be found in this catalog. In the Table of Contents, see Other Academic Programs, Teacher Education.

Gen Ed 2002 *Bachelor of Arts and Bachelor of Science*

It is recommended that, whenever possible, a student complete the General Education Program during the first two years of study.

The same course may be used to satisfy both Gen Ed 2002 and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See Gen Ed 2002, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the Gen Ed 2002 categories listed below.

A. New Student Seminar

1 Semester Hour

The New Student Seminar course embodies and expresses the goals of the entire Freshman Year Experience. This course is designed to provide students with strategies and information essential to the enhancement of their academic and social success. This course affords first-year students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem-solving, and the development of life-long learning skills. Departments may offer a new student experience course for their own majors.

B. Interdisciplinary Courses

9 Semester Hours

These interdisciplinary Contemporary Issues courses raise students' awareness about what it means to be responsible citizens of the community, the U.S., and the world. They focus on scientific, national, and global issues.

NOTE: Students entering MSU as first-time freshmen in the academic years 2002-03, 2003-04, and 2004-05 are required to fulfill the Contemporary Issues requirement by taking one Contemporary Issues course and two replacement courses from a designated category. See the descriptions below as well as the Contemporary Issues options in the Gen Ed 2002 Appendix of Courses in this catalog.

B1. Contemporary Issues I:

Scientific Issues

3 Semester Hours

This course will draw upon basic principles from biological and physical sciences to demonstrate the application of the scientific method, scientific data analysis, reasoning and logic to an examination of selected contemporary issues such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, and new developments in medicine. Students completing this course should achieve an understanding of the way multidisciplinary scientific knowledge and methodology is applied to the decision making processes that address the scientific issues and problems facing contemporary society. Students will understand the interconnections between developments in science and the quality of human life as well as comprehend the overall concepts that unify and connect the approaches from various physical and natural disciplines of science. Students in all sections would have at least one common experience which could be reading the same book, hearing the same lecturer, seeing the same play or film or participating in an experiential activity. Note: The course will be taught by a least one member of biology, chemistry, environmental sciences, geoscience, molecular biology or physics.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 201 must take an additional Math or Science course from the H or I list found in the Gen Ed 2002 Appendix of Courses.

B2. Contemporary Issues II:

National Issues

3 Semester Hours

This course is designed to introduce students at the sophomore level to contemporary issues of importance within the USA today. Although the focus of the course is national, it may of course include comparative discussion of the issue from an international perspective. A course may also consider – if relevant – the influence of the past and its function in forming contemporary ideas and beliefs. Sample themes might be drawn from concepts of justice, race, ethics, gender, culture, or the self, to name just a few. An overarching theme would be explored by teams of at least two faculty drawing on their disciplinary and methodological training to show students that their disciplines are not self-contained, that different approaches can attack the same problem, and that knowledge is integrative. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film, or participating

in an experiential activity. Note: The course will be taught by at least one member of a social science discipline (that is those disciplines housed in social science departments): anthropology, economics, geography, political science, psychology, or sociology.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 202 must take an additional Social Science course from the K3 list found in the Gen Ed 2002 Appendix of Courses.

B3. Contemporary Issues III:

Global Issues

3 Semester Hours

This course is designed for students at the sophomore level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film, or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

C. Communication

9 Semester Hours

C1. Writing/Literature:

6 Semester Hours

Students will take two sequential semesters of intensive writing instruction. This will be accomplished as follows: *College Writing I: Intellectual Prose* will stress the development of student thinking and writing abilities through frequent writing assignments based on critical response to intellectual prose, with significant attention to library research. *College Writing II: Writing and Literary Study* will require frequent writing assignments based on interpretation and appreciation of literary works of various genres.

C2. Communication:

3 Semester Hours

A course that seeks to introduce students to both the conceptualization and the practice of effective oral communication by developing student understanding and skill in various oral presentation Formats. The course emphasizes the complex and dynamic nature of human communication through a focus on the essential and basic elements of public communication, including listening, message design, and delivery skills.

D. Fine and Performing Arts

3 Semester Hours

A course that provides an appreciation of the arts (Dance, Music, Theater, Visual Arts*), with insights into cultures, historical events, values and styles. [*includes film]
or

A course that introduces the student to an appreciation of an art form through the process that involves the development of a creative idea and results in the actual work(s) or performance(s), with appropriate treatment of styles, values, backgrounds and technical challenges.

E. World Languages

3 -6 Semester Hours

At a time when Montclair State University is committed to internationalizing the curriculum and when the public schools of New Jersey are under a state mandate to start world language study in the elementary schools, it is important to encourage students to pursue study of world languages.

The World Languages requirement thus consists of a three to six semester-hour sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Students wishing to continue a language already studied in high school or elsewhere must demonstrate proficiency equivalent to completion of the third semester. Students who do not place at this level must take up to 6 s.h. of further study dependent upon their scores in the placement test (i.e., those who score at the second semester level must take 6 s.h., those who score at the third semester level must take 3 s.h.). Students who demonstrate proficiency equivalent to completion of the third semester of world language study must take one additional 3 s.h. course at a higher level in that language or a course in English about a foreign culture or civilization. Students wishing to begin a new language with which they have no experience must take two semesters (6 s.h.) of that language.

Note: The entrance requirement for Montclair State University includes 2 years of a world language. As is the case with the current foreign language requirement, only elective credit is given for the first semester level of a language already studied in high school regardless of the placement score.

F. Humanities

6 Semester Hours

F1. World Literature or General Humanities: 3 Semester Hours
World literature. A course in major works of world literature from both Western and non-Western sources. This course provides students with the opportunity to explore the literary products of the creative imagination of different cultures and enhances the understanding of different cultural concerns. It also develops in students a heightened response and sensitivity to literature.

or

General Humanities. An interdisciplinary course in General Humanities in which students learn about and discuss some of the major questions which have preoccupied humanity through the ages. The course demonstrates the variety of humanistic achievement in several areas of artistic endeavor and creates a deeper understanding of the values of different civilizations.

F2. Philosophy or Religion: 3 Semester Hours

A course in philosophy or in religion which introduces great philosophical or religious ideas and traditions. This course enables students to understand how such ideas and traditions offer a philosophical and/or religious response to specific

questions or issues. It expands students' understanding of fundamental concepts of the human condition.

G. Computer Science

0-3 Semester Hours

The objective of the course in computer science is to develop in students the computing knowledge and skills necessary to understand, evaluate, and use the increasing and changing computer technologies of the twenty-first century. The course will help students understand the milieu of computing: the history and development of computer science as a science, hardware and software interaction, technology and change, and social responsibility and ethics. Students will experience the uses and uniqueness of computer science and computing in problem solving and critical thinking. They will learn to differentiate problems solving in computing from that in other domains; understand the problem they are solving; find and use the best computer tools to solve the problem, and understand the limits of computers and that some problems cannot or should not be attempted mechanically; and communicate the solution. They will acquire the necessary skills to understand, evaluate and use specific software systems in the context of computing environments. The course considers not only current computer skills, for example, competency in Office applications, but more importantly computer knowledge, that is, fundamental ideas of computing. Since skill obsolescence is inherent in computing, the fundamental ideas of computing that support the learning of unanticipated new skills are essential. Note: Students will be allowed to take an examination to "place-out" of the Computer Science requirement.

H. Mathematics

3 Semester Hours

This course will introduce students to the application of mathematical methods to the solution of real-world problems. Students completing this course will be able to translate real world problems into mathematical language, interpret mathematical models, and present mathematical information, while recognizing that the methods have limits. The course will develop students' ability to think logically and precisely, by strengthening their general reasoning powers, developing their problem-solving and critical thinking skills, and emphasizing to them that there is more than one way to solve a problem. Students will be repeatedly immersed in interesting quantitative settings that require drawing inferences, estimating results, assessing risks, and making reasonable guesses. The course will include mathematical content, develop the deductive nature of theoretical mathematics, make use of modern technology to analyze problems and their solutions, and develop students' ability to use concepts, procedures and intellectual processes.

I. Natural/Physical Science Laboratory

4 Semester Hours

A course which includes a hands-on experience in a laboratory setting and which incorporates the scientific method by involving students with observations, the identification of patterns and regularities, the development of hypotheses and theory and models, and prediction and testing. The scientific method will be applied within the context of a discipline, utilizing a body of knowledge (more than can be given in an interdisciplinary overview course) and examining a variety of equipment, software and other tools students need for observation. Students will develop critical thinking skills as well as understand the open-endedness and limitations of science.

J. Physical Education

1 Semester Hour

A course for developing an awareness of the need for a regular program of moderate physical activity to promote health and well-

being in the daily lives of students. This course provides for the development of skills and knowledge to engage in lifetime physical pursuits. This includes but is not limited to sports such as tennis, swimming and jogging, human movement activities such as aerobics and dance, and other fitness activities that develop cardiovascular endurance and efficiency.

K. Social Science

9 Semester Hours

K1. American or European History: 3 Semester Hours

The course will provide an understanding of the American or European historical legacy that continues to influence contemporary events. It will provide an understanding of the historical foundations of our political, legal, economic and social culture.

K2. Non-Western Cultural Perspectives: 3 Semester Hours

A course in the cultures or civilizations that are identified with the continents of Asia, Africa, or the Americas and are distinguished as evolving from non-European roots and along separate paths of development. The study of non-Western cultures or civilizations will prepare students to participate in an increasingly interdependent global civilization. It will also foster an appreciation of the non-Western sources of our contemporary civilization.

K3. Social Science: 3 Semester Hours

Social Science (other than History). Students can choose a social science course that applies a particular analytical approach and empirical perspective to issues of importance to the individual and society. The course will provide an intellectual path for understanding the forces that will shape our national and global society.

L. General Education Elective

3 Semester Hours

1. Gen Ed 2002 approved courses (other than physical education).
2. General introductory courses at the 100-level or 200-level in any department in the university.

Gen Ed 2002

Bachelor of Fine Arts and Bachelor of Music

It is recommended that, whenever possible, a student complete the General Education Program during the first two years of study.

The same course may be used to satisfy both Gen Ed 2002 and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See Gen Ed 2002, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the Gen Ed 2002 categories listed below.

A. New Student Seminar

1 Semester Hour

The New Student Seminar course embodies and expresses the goals of the entire Freshman Year Experience. This course is designed to provide students with strategies and information essential to the enhancement of their academic and social success. This course affords first-year students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem-solving, and the development of life-long learning skills. Departments may offer a new student experience course for their own majors.

B. Interdisciplinary Courses

9 Semester Hours

These interdisciplinary Contemporary Issues courses raise students' awareness about what it means to be responsible citizens of the community, the U.S., and the world. They focus on scientific, national, and global issues.

NOTE: Students entering MSU as first-time freshmen in the academic years 2002-03, 2003-04, and 2004-05 are required to fulfill the Contemporary Issues requirement. But they will do so by taking one Contemporary Issues course and two replacement courses from a designated category. See the descriptions below as well as the Contemporary Issues options in the Gen Ed 2002 Appendix of Courses in this catalog.

B1. Contemporary Issues I:

Scientific Issues

3 Semester Hours

This course will draw upon basic principles from biological and physical sciences to demonstrate the application of the scientific method, scientific data analysis, reasoning and logic to an examination of selected contemporary issues such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, and new developments in medicine. Students completing this course should achieve an understanding of the way multidisciplinary scientific knowledge and methodology is applied to the decision making processes that address the scientific issues and problems facing contemporary society. Students will understand the interconnections between developments in science and the quality of human life as well as comprehend the overall concepts that unify and connect the approaches from various physical and natural disciplines of science. Students in all sections would have at least one common experience which could be reading the same book, hearing the same lecturer, seeing the same play or film or participating in an experiential activity. Note: The course will be taught by a least one member of biology, chemistry, environmental sciences, geoscience, molecular biology or physics.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 201 must take an additional Math or Science course from the H or I list found in the Gen Ed 2002 Appendix of Courses.

B2. Contemporary Issues II:

National Issues

3 Semester Hours

This course is designed to introduce students at the sophomore level to contemporary issues of importance within the USA today. Although the focus of the course is national, it may of course include comparative discussion of the issue from an international perspective. A course may also consider – if relevant – the influence of the past and its function in forming contemporary ideas and beliefs. Sample themes might be drawn from concepts of justice, race, ethics, gender, culture, or the self, to name just a few. An overarching theme would be explored by teams of at least two faculty drawing on their disciplinary and methodological training to show students that their disciplines are not self-contained, that different approaches can attack the same problem, and that knowledge is integrative. Students in all sections would have at least one common experience which could be reading the same book, hearing a

visiting lecturer, seeing the same play or film, or participating in an experiential activity. Note: The course will be taught by at least one member of a social science discipline (that is, those disciplines housed in social science departments): anthropology, economics, geography, political science, psychology or sociology.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 202 must take an additional Social Science course from the K3 list found in the Gen Ed 2002 Appendix of Courses.

B3. Contemporary Issues III:

Global Issues

3 Semester Hours

This course is designed for students at the sophomore level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film, or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

C. Communication

6-9 Semester Hours

C1. Writing/Literature: 6 Semester Hours

Students will take two sequential semesters of intensive writing instruction. This will be accomplished as follows: *College Writing I: Intellectual Prose* will stress the development of student thinking and writing abilities through frequent writing assignments based on critical response to intellectual prose, with significant attention to library research. *College Writing II: Writing and Literary Study* will require frequent writing assignments based on interpretation and appreciation of literary works of various genres.

C2. Communication: 0-3 Semester Hours

A course that seeks to introduce students to both the conceptualization and the practice of effective oral communication by developing student understanding and skill in various oral presentation formats. The course emphasizes the complex and dynamic nature of human communication through a focus

on the essential and basic elements of public communication, including listening, message design, and delivery skills.

D. Fine and Performing Arts

(Not Applicable)

E. World Languages

3 -6 Semester Hours

At a time when Montclair State University is committed to internationalizing the curriculum and when the public schools of New Jersey are under a state mandate to start world language study in the elementary schools, it is important to encourage students to pursue study of world languages.

The World Languages requirement thus consists of a three to six semester-hour sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Students wishing to continue a language already studied in high school or elsewhere must demonstrate proficiency equivalent to completion of the third semester. Students who do not place at this level must take up to 6 s.h. of further study dependent upon their scores in the placement test (i.e., those who score at the second semester level must take 6 s.h., those who score at the third semester level must take 3 s.h.). Students who demonstrate proficiency equivalent to completion of the third semester of world language study must take one additional 3 s.h. course at a higher level in that language or a course in English about a foreign culture or civilization. Students wishing to begin a new language with which they have no experience must take two semesters (6 s.h.) of that language.

Note: The entrance requirement for Montclair State University includes 2 years of a world language. As is the case with the current foreign language requirement, only elective credit is given for the first semester level of a language already studied in high school regardless of the placement score.

F. Humanities

6 Semester Hours

F1. World Literature or General Humanities: 3 Semester Hours

World literature. A course in major works of world literature from both Western and non-Western sources. This course provides students with the opportunity to explore the literary products of the creative imagination of different cultures and enhances the understanding of different cultural concerns. It also develops in students a heightened response and sensitivity to literature.

or

General Humanities. An interdisciplinary course in General Humanities in which students learn about and discuss some of the major questions which have preoccupied humanity through the ages. The course demonstrates the variety of humanistic achievement in several areas of artistic endeavor and creates a deeper understanding of the values of different civilizations.

F2. Philosophy or Religion: 3 Semester Hours

A course in philosophy or in religion which introduces great philosophical or religious ideas and traditions. This course enables students to understand how such ideas and traditions offer a philosophical and/or religious response to specific questions or issues. It expands students' understanding of fundamental concepts of the human condition.

G. Computer Science:

0-3 Semester Hours

The objective of the course in computer science is to develop in

students the computing knowledge and skills necessary to understand, evaluate, and use the increasing and changing computer technologies of the twenty-first century. The course will help students understand the milieu of computing: the history and development of computer science as a science, hardware and software interaction, technology and change, and social responsibility and ethics. Students will experience the uses and uniqueness of computer science and computing in problem solving and critical thinking. They will learn to differentiate problems solving in computing from that in other domains; understand the problem they are solving; find and use the best computer tools to solve the problem, and understand the limits of computers and that some problems cannot or should not be attempted mechanically; and communicate the solution. They will acquire the necessary skills to understand, evaluate and use specific software systems in the context of computing environments. The course considers not only current computer skills, for example, competency in Office applications, but more importantly computer knowledge, that is, fundamental ideas of computing. Since skill obsolescence is inherent in computing, the fundamental ideas of computing that support the learning of unanticipated new skills are essential. Note: Students will be allowed to take an examination to "place-out" of the Computer Science requirement.

H. Mathematics (Not Applicable)

I. Natural/Physical Science Laboratory
(Not Applicable)

J. Physical Education (Not Applicable)

K. Social Science 3 Semester Hours

K1. American or European History: 3 Semester Hours
The course will provide an understanding of the American or European historical legacy that continues to influence contemporary events. It will provide an understanding of the historical foundations of our political, legal, economic and social culture.

K2. Non-Western Cultural Perspectives: (Not Applicable)

K3. Social Science: (Not Applicable)

L. General Education Elective (Not Applicable)

Interdisciplinary Courses of Instruction

GNE D 100
ADULT ACADEMIC SUCCESS SEMINAR 2.0

This course is designed for the adult student who is returning to college after some time away or entering college for the first time. It provides students with strategies and information essential to the enhancement of their academic and social success. This course affords adult students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem solving, and the development of life-long learning skills. Meets Gen Ed 2002–New Student Seminar.

Prerequisite: For Center for Adult Learning Students only.

GNE D 201

CONTEMPORARY ISSUES I: SCIENTIFIC ISSUES 3.0

Introduces students at the sophomore level to a contemporary scientific issue to provide an understanding of the importance of science as a pervasive influence in their lives. Students will become aware of the impact of science at all life levels—locally, regionally, nationally, and globally. The course draws upon basic principles from biological and physical sciences, applying the scientific method, scientific data analysis, reasoning and logic to conduct an examination of a contemporary scientific issue such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, or new developments in medicine. It will be taught by faculty from two different disciplines, with at least one member from biology, chemistry, environmental sciences, geoscience, molecular biology, or physics. Meets the Gen Ed 2002–Interdisciplinary Courses, Contemporary Issues I.

Prerequisite: Sophomore standing.

GNE D 202

CONTEMPORARY ISSUES II: NATIONAL ISSUES 3.0

Introduces students at the sophomore level to a contemporary issue of importance within the United States. The course may also include relevant international and historical perspectives. Draws upon basic principles from the social sciences, applying the scientific method, data analysis, reasoning and logic to conduct an examination of a contemporary social issue such as class, ethnicity, gender, immigration and migration inequality, justice, life course development, mental health, or race. Course will be taught by faculty from two different disciplines, with at least one member from anthropology, economics, geography, political science, psychology, or sociology. Meets the Gen Ed 2002–Interdisciplinary Courses, Contemporary Issues II.

Prerequisite: Sophomore standing.

GNE D 303

CONTEMPORARY ISSUES III: GLOBAL ISSUES 3.0

Students pursue interdisciplinary study of a contemporary global issue in comparative perspective. The course examines the context of the issue, how it has arisen out of different socio-political circumstances and what results it has produced in different regions of the world. A team of faculty from two different disciplines will collaborate to address an issue such as artistic expression, citizenship, conflict and violence, environmental sustainability, ethnic and religious coexistence, immigration and migration, literacy, political development and economic change, public health, or world poverty. Meets the Gen Ed 2002–Interdisciplinary Courses, Contemporary Issues III.

Prerequisite: Sophomore standing.

Gen Ed 2002 Appendix of Courses

The following courses fulfill the Gen Ed 2002 for first-time freshmen who began their studies at Montclair State University in Fall, 2002 or thereafter, and transfer students entering Montclair State University in Fall 2005.

A. NEW STUDENT SEMINAR

Biology and Molecular Biology

BIOL 199 Freshman Seminar in Biology

Broadcasting

BDCS 100 Freshman Seminar in Broadcasting

Center for Adult Learning

GNE D 100 Adult Academic Success Seminar

Chemistry and Biochemistry

CHEM 190 Freshman Seminar in Chemistry

Health Professions, Physical Education, Recreation and Leisure Studies

HOSP 199 Hospitality and Tourism Professional Seminar

Justice Studies

JUST 199 Freshman Seminar in Justice Studies

Mathematical Sciences

MATH 102 New Student Experience for Mathematical Sciences

Music

MUGN 199 Freshman Seminar for Music Majors

Psychology

PSYC 104 Freshman Experience

Science Informatics

SCIF 151 Colloquium in Science Informatics I

B. INTERDISCIPLINARY COURSES

Students entering MSU as first-time freshmen in the academic years 2002-03, 2003-04, and 2004-05 are required to fulfill the Contemporary Issues requirement. But they will do so by taking one Contemporary Issues course (either Scientific Issues, National Issues, or Global Issues) and two replacement courses from a designated category.

Contemporary Issues I: Scientific Issues

Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, national Issues, or Global Issues Core course. Students not choosing to take GNED 201 must take an additional Math or Science course from the H or I list found in the Gen Ed 2002 Appendix of Courses.

General

GNED 201 Contemporary Issues I: Scientific Issues

Honors Program

HONP 211 Honors Seminar in Contemporary Issues I**

Contemporary Issues II: National Issues

Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, national Issues, or Global Issues Core course. Students not choosing to take GNED 202 must take an additional Social Science/Social Science course from the K list found in the Gen Ed 2002 Appendix of Courses.

General

GNED 202 Contemporary Issues II: National Issues

Honors Program

HONP 202 Honors Seminar in Contemporary Issues II**

Contemporary Issues III: Global Issues

Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

General

GNED 303 Contemporary Issues III: Global Issues

Honors Program

HONP 103 Honors Seminar in Contemporary Civilization**

C. COMMUNICATION

Writing/Literature

English

ENWR 105 College Writing I: Intellectual Prose
AND

ENWR 106 College Writing II: Writing and Literary Study

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I **
AND

HONP 101 Honors Seminar in Great Books and Ideas, Part II **

Communication

Communication Studies

SPCM 101 Fundamentals of Speech:
Communication Requirement

D. FINE AND PERFORMING ARTS

Art and Design

ARAN 190 Introduction to the Visual Arts
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I
ARDW 200 Drawing, Beginning I
ARDW 201 Life Drawing, Beginning I
ARPA 200 Painting, Beginning I
ARPH 200 Photography Beginning I: Contemporary Art Form
ARPH 201 Digital Photo and Imaging I
ARPM 200 Printmaking, Beginning I
ARSC 200 Sculpture, Beginning I
ARSC 210 Sculpture, Beginning II

English

ENFL 208 Introduction to the Film

Honors Program

HONP 201 Honors Seminar in the Creative Process**

Music

MUGN 160 Introduction to Music in World Cultures
MUGN 209 Introduction to Jazz*
MUGN 250 Rap and Rock as Cultural Phenomena*

Theatre and Dance

DNCE 105 Dance Appreciation
DNCE 141 Dance Technique: Modern I
DNCE 155 Dance Technique: Ballet I
THTR 105 Acting I
THTR 265 The Contemporary Theatre of Cultural Diversity*

E. WORLD LANGUAGES

Classics and General Humanities

GREK 101 Beginning Greek I
GREK 112 Beginning Greek II
GREK 121 Intermediate Greek I
LATN 101 Beginning Latin I
LATN 112 Beginning Latin II
LATN 121 Intermediate Latin I
LATN 132 Intermediate Latin II

French, German, and Russian

ARAB 101 Beginning Arabic I
ARAB 112 Beginning Arabic II
FREN 101 Beginning French I
FREN 112 Beginning French II
FREN 121 Intermediate French I
FREN 132 Intermediate French II
GERM 101 Beginning German I
GERM 112 Beginning German II
GERM 121 Intermediate German I
GERM 132 Intermediate German II
RUSS 101 Beginning Russian I
RUSS 112 Beginning Russian II
RUSS 121 Intermediate Russian I

* Meets Multicultural Awareness Requirement.

** For honors program students only.

RUSS 132 Intermediate Russian II

Linguistics

AMSL 101 Beginning American Sign Language I

AMSL 102 Beginning American Sign Language II

ARBC 101 Beginning Arabic I

ARBC 112 Beginning Arabic II

CHIN 101 Beginning Chinese I

CHIN 102 Beginning Chinese II

CHIN 201 Intermediate Chinese I

CHIN 202 Intermediate Chinese II

JAPN 101 Beginning Japanese I

JAPN 102 Beginning Japanese II

JAPN 201 Intermediate Japanese I

JAPN 202 Intermediate Japanese II

Spanish/Italian

ITAL 101 Italian I

ITAL 102 Italian II

ITAL 103 Italian III

ITAL 104 Italian IV

SPAN 101 Spanish I

SPAN 102 Spanish II

SPAN 103 Spanish III

SPAN 104 Spanish IV

F. HUMANITIES

F1. World Literature or General Humanities

Art and Design

ARHS 105 Art in Western Civilization: Ancient and Medieval

ARHS 106 Art in Western Civilization: Renaissance to Modern

Classics and General Humanities

GNHU 115 Troy and the Trojan War

GNHU 201 General Humanities I to 1400

GNHU 202 General Humanities II from 1400

GNHU 285 Mythology

English

ENLT 206 World Literature: The Coming of Age Theme

F2. Philosophy or Religion

Educational Foundations

EDFD 220 Philosophical Orientation to Education

Philosophy and Religion

PHIL 100 Introduction to Philosophy

PHIL 106 Logic

RELG 100 Religions of the World

RELG 101 Introduction to Religion

RELG 221 Religion and Culture

G. COMPUTER SCIENCE

Computer Science

CMPT 109 Introduction to Computer Applications:

Being Fluent with Information Technology

CMPT 112 Honors Seminar in Computing

Honors Program

HONP 112 Honors Seminar in Computing**

H. MATHEMATICS

Honors Program

HONP 104 Fractals and Infinity**

Mathematical Sciences

MATH 103 The Development of Mathematics

MATH 104 Fractals and Infinity

MATH 106 Contemporary Applied Math for Everyone

MATH 109 Statistics

I. NATURAL/PHYSICAL SCIENCE LABORATORY

Anthropology

ANTH 101 Physical Anthropology

Biology and Molecular Biology

BIOL 100 Biological Sciences

BIOL 109 The Living World

BIOL 110 Biology of Human Life

Chemistry and Biochemistry

CHEM 100 Introductory Chemistry

Earth and Environmental Studies

GEOS 107 Planet Earth

GEOS 112 Physical Geology

GEOS 114 Historical Geology

GEOS 125 Earth and the Environment

GEOS 257 Understanding Weather and Climate

PHMS 210 Introduction to Marine Sciences

Honors Program

HONP 210 Honors Seminar in Science **

J. PHYSICAL EDUCATION

Health Professions, Physical Education, Recreation and Leisure Studies

PEGN 200 Beginning Swimming

PEGN 202 Badminton

PEGN 203 Golf

PEGN 242 Racquetball

PEGN 251 Aerobic Activities

PEGN 252 Archery

PEGN 253 Gymnastics

PEGN 257 Weight Training and Conditioning

PEGN 258 Beginning Tennis

PEGN 260 Beginning Riding

PEGN 261 Fencing

PEGN 262 Volleyball

PEGN 264 Soccer

PEGN 265 Figure Skating

PEGN 266 Skiing

PEGN 268 Bicycling

PEGN 270 Folk and Square Dance

PEGN 271 Social Dance

PEGN 272 Bowling

PEGN 274 SCUBA Diving

PEGN 275 Beginning Karate

PEGN 278 Yoga

PEGN 279 Climbing and Rappelling

K. SOCIAL SCIENCE

K1. American or European History

Classics and General Humanities

GNHU 281 Greek Civilization

GNHU 282 Roman Civilization

History

HIST 103 Foundations of Western Civilization

HIST 105 Emergence of European Civilization, 1500-1914

HIST 106 Contemporary Europe, 1914 to the Present

HIST 110 Introduction to American Civilization

HIST 117 History of the United States to 1876

HIST 118 History of the United States Since 1876

HIST 281 Greek Civilization

HIST 282 Roman Civilization

* Meets Multicultural Awareness Requirement.

** For honors program students only.

Honors Program

HONP 102 Honors Seminar in 20th Century Civilization**

K2. Non-Western Cultural Perspectives

Anthropology

- ANTH 115 Cultures of the Middle East*
- ANTH 120 Native North Americans*
- ANTH 140 Non-Western Contributions to the Western World*
- ANTH 150 Native Latin Americans*
- ANTH 170 Peoples of Africa*

Art and Design

- ARHS 220 Art in Non-Western Societies*

Classics and General Humanities

- GNHU 217 Reading Asian Cultures*
- GNHU 289 Francophone Film*
- GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies

- EUGS 207 Geography of East and Southeast Asia

French, German, and Russian

- FREN 289 Francophone Film*
- FRIN 289 Francophone Film*
- GRIN 293 Russian Culture and Civilization

History

- HIST 108 Introduction to African Civilization*
- HIST 114 Early Latin American Civilization*
- HIST 132 Introduction to Chinese Civilization*

Sociology

- SOCI 220 Sociology of Rich and Poor Nations

K3. Social Science

Anthropology

- ANTH 100 Cultural Anthropology*
- ANTH 110 The Anthropology of Multicultural America*
- ANTH 210 Urban Anthropology*
- ANTH 230 The Anthropology of Conflict and Violence

Earth and Environmental Studies

- ENVR 109 The Human Environment
- EUGS 101 Human Geography
- EUGS 102 World Geography
- EUGS 206 Introduction to American Urban Studies*
- EUGS 208 Land and Life in Latin America*
- EUGS 213 Urban Geography*

Economics and Finance

- ECON 100 Introduction to Economics
- ECON 101 Principles of Economics: Macro
- ECON 102 Principles of Economics: Micro

Educational Foundations

- EDFD 264 Gender Issues in Education*

Health Professions, Physical Education, Recreation and Leisure Studies

- HLTH 246 Epidemiology

Human Ecology

- HENU 153 Dynamics of Food and Society
- HETX 122 Clothing and Culture: A Multidisciplinary Study*

Legal Studies

- LSLW 200 Introduction to Law
- LSLW 220 Conflict and Its Resolution*

Linguistics

- LNGN 210 Introduction to General Linguistics
- LNGN 230 Language in Society
- LNGN 245 Language and Culture
- LNGN 250 Language of Propaganda
- LNGN 255 Language and Gender*

Political Science

- POLS 100 Introduction to Politics
- POLS 101 American Government and Politics
- POLS 201 Comparative Politics

Psychology

- PSYC 102 Women's Worlds
- PSYC 109 The Human Environment

Sociology

- SOCI 113 Social Problems
- SOCI 206 Individual and Society
- SOCI 230 Sociology of Conflict and Violence

Women's Studies

- WMST 102 Women's Worlds

L. GENERAL EDUCATION ELECTIVE

1. Gen Ed 2002 approved courses (other than Physical Education).
2. General introductory courses at the 100-level or 200-level in any department in the university.

1983 General Education Requirement (GER)

The General Education Requirement at Montclair State is among the most comprehensive in area colleges and universities. On completion of the requirement, one will enjoy the benefits of the best of the traditional liberal arts curriculum: facility in a foreign language, a sense of history, a perspective on social sciences, a familiarity with the humanities and art, and an understanding of mathematical and scientific principles and some of their contemporary applications. Beyond these traditional areas, one will have had the opportunity to study a major non-Western culture and several non-Western literary masterpieces. At least one important contemporary issue will have been examined in depth, and an introduction to computers will have been provided.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in nearly every course. Whenever possible, professors will show how several academic disciplines bear on a single problem or topic.

The General Education Requirement dedicates some of the major resources of Montclair State to the benefit of introductory students. Combining the strength of the liberal arts curriculum with a contemporary approach to social and technological change, it supplies a valuable balance to any major program.

The following General Education Requirements apply to full-time freshman and part-time students who began their studies at Montclair State in Summer/Fall, 1983 through Summer 2002 or and transfer students entering Montclair in Fall 1985 through Spring 2005. These requirements are subject to change. Periodic visits to your faculty advisor or a Montclair academic advisor are strongly recommended to avoid difficulties in meeting graduation requirements.

All full-time freshman and part-time students who began their studies at

* Meets Multicultural Awareness Requirement.

** For honors program students only.

Montclair State in Fall 2002 or thereafter and transfer students entering Montclair in Fall 2005 must meet the requirements of the Gen Ed 2002. Others have a choice of these requirements or the 1983 General Education Requirement (GER).

GER 1983

Bachelor of Arts and Bachelor of Science

It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

The same course may be used to satisfy both GER and major, certification, or multicultural awareness requirements, if it has been approved for these purposes, except that courses in a student's major department may not be used to satisfy the "General Education Electives" requirement described in section J below.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER 1983 categories listed below.

A. Communication Writing

9 Semester Hours

A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading

A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening

A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues

3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

C. Fine and Performing Arts:

Art Appreciation

3 Semester Hours

A course in the inherent styles and qualities of a particular art form, designed to provide familiarity with important masterpieces in an historical and stylistic context, an understanding of the processes involved in creating art, and an ability to recognize and appreciate excellence.

D. Foreign Language

6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT

As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

1. Students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
2. Students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
3. Any exception to the foregoing must be approved by the chair of the appropriate department.

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required.

A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

1. By taking a ONE semester course above the intermediate level in the language tested;
2. By taking the ONE semester course *STRUCTURE OF AMERICAN ENGLISH* offered by the Linguistics Department.

E. Humanities

6 Semester Hours

1. World Literature or General Humanities: 3 Semester Hours

World Literature: A course in major works of world literature from Western and non-Western literary traditions. Taking the course will provide you with an expanded awareness of national and international cultural concerns, as well as a heightened sensitivity to literature.

General Humanities: An interdisciplinary course in General Humanities with emphasis on the great questions which have concerned and inspired artists and thinkers through the ages. The course will provide you with greater knowledge of the range of humanistic achievement in several areas of creative endeavor, and a deeper understanding of the values of different civilizations.

2. Philosophy/Religion: 3 Semester Hours

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics and

Computer Science

5 Semester Hours

1. Mathematics: 3 Semester Hours

A course in mathematics as a tool of scientific investigation and

as a significant part of our heritage, stressing an appreciation of mathematics as a tool for problem solving and analysis, and a greater ability to think precisely and logically.

2. Computer Science: 2 Semester Hours

A course illustrating the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy.

G. Natural/Physical Science 7 Semester Hours

1. Laboratory Science: 4 Semester Hours

2. Non-Laboratory Science: 3 Semester Hours

Two courses in natural/physical science, at least one with a laboratory component. The courses are designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in each course.

H. Physical Education 1 Semester Hour

A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science 12 Semester Hours

1. American or European History: 3 Semester Hours

A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Non-Western Cultural Perspectives: 3 Semester Hours

A course in the culture or civilization of indigenous peoples in Africa, Asia, or the Americas. Completing this requirement will provide important insights into the development of cultures not influenced in their formative stages by Western civilization.

3. Social Science (other than History): 6 Semester Hours

Each student will take one survey and one topic course.

a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.

b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives 6 Semester Hours

1. GER approved courses (other than Physical Education)

2. General introductory courses at the 100-level or 200-level in any department in the schools of Fine and Performing Arts, Humanities and Social Sciences, and Mathematical and Natural Sciences.

3. Courses in the areas of Creative Expression and/or Personal/Professional Issues

Creative Expression

An elective course in the creative process in a particular art form. A creative expression course will afford the opportunity to be personally involved in a creative activity and gain insights into both the technical difficulties and the creative choices which artists face. One should develop not only a lifelong appreciation of the arts, but also remain an active participant.

Individual and Professional Issues

An elective course in personal or professional development. Taking one of these courses should provide a better understanding of oneself, teach one how to interact with others more effectively, or gain a more developed perspective on career choices.

Note: General Education Electives must be taken outside the student's major.

GER 1983

**Bachelor of Fine Arts and
Bachelor of Music**

It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

The same course may be used to satisfy both GER and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER 1983 categories listed below.

A. Communication 9 Semester Hours

Writing

A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading

A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening

A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues 3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

**C. Fine and Performing Arts:
Art Appreciation** (Not Applicable)

D. Foreign Language

6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills; increased cultural understanding. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT

As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

1. Students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
2. Students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
3. Any exception to the foregoing must be approved by the chair of the appropriate department.

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required.

A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

1. By taking a ONE semester course above the intermediate level in the language tested;
2. By taking the ONE semester course *STRUCTURE OF AMERICAN ENGLISH* offered by the Linguistics Department.

E. Humanities

3 Semester Hours

Philosophy/Religion

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics and Computer Science

2 Semester Hours

Computer Science

A course in the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy i.e., the ability to perform basic tasks in a standard computer language.

G. Natural/Physical Science

4 Semester Hours

Laboratory Science

A course in natural/physical science with a laboratory component. The course is designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in the course.

H. Physical Education

1 Semester Hour

A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science

6 Semester Hours

1. American or European History: 3 Semester Hours

A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Social Science (other than History): 3 Semester Hours

A course in social sciences other than history.

- a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.
- b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives

(Not Applicable)

1983 General Education Requirement (GER) Appendix of Courses

The following courses fulfill the General Education Requirement for full-time freshmen and part-time students who began their studies at Montclair State from Summer/Fall, 1983 through Spring 2002 and transfer students entering Montclair State from Fall 1985 through Spring 2005.

A. COMMUNICATION

Writing

English

ENWR 105 College Writing I: Intellectual Prose

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I**

HONP 101 Honors Seminar in Great Books and Ideas, Part II**

Reading

English

ENWR 106 College Writing II: Writing and Literary Study

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I**

HONP 101 Honors Seminar in Great Books and Ideas, Part II**

Literacy and Educational Media

READ 105 Reading: Communication Through Text

Speaking/Listening

Communication Sciences and Disorders

CSND 101 Fundamentals of Speech:

Communication Requirement

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

Communication Studies

- SPCM 101 Fundamentals of Speech:
Communication Requirement

B. CONTEMPORARY ISSUES

Anthropology

- ANTH 110 Anthropology of Multicultural America*†
ANTH 201 Contemporary Practical Anthropology
ANTH 230 Anthropology of Conflict and Violence
ANTH 240 Human Variation*

Classics and General Humanities

- GNHU 176 Italians and Italian-Americans: Comparative Studies

Curriculum and Teaching

- INDS 249 Alternate Energy
ISED 101 Technology and Culture: Past, Present and Future

Earth and Environmental Studies

- ENVR 109 The Human Environment
GEOS 221 Conservation of Natural Resources

Educational Foundations

- EDFD 264 Gender Issues in Education*
EDFD 477 Ethnic/Racial Groups and the Schools in America

English

- ENGL 275 Vietnam War and American Culture

Health Professions, Physical Education, Recreation, and Leisure Studies

- HLTH 210 Consumer Health
HLTH 213 Perspectives on Drugs
PEMJ 227 Social Problems in Sports
PERL 208 Leisure and Recreation in Society

Honors Program

- HONP 102 Honors Seminar in Twentieth Century Civilization**

Human Ecology

- HECO 205 Women in Contemporary Society*
HEDN 260 Housing and Society
HEFM 344 Challenge of Aging
HEFM 445 The Inner City Family*†
HEMG 270 Individual Management: Theories and Strategies
HENU 153 Dynamics of Food and Society

Legal Studies

- LSLW 220 Conflict and Its Resolution*

Linguistics

- LNGN 250 Language of Propaganda

Literacy and Educational Media

- MEDI 355 Media in Intercultural Communication*†

Management

- MGMT 363 Business and Society

Mathematical Sciences

- PHED 101 Technology and Culture: Past, Present, and Future

Philosophy and Religion

- RELG 225 Religion and Social Change

Psychology

- PCOM 245 Introduction to Community Psychology
PSYC 102 Women's Worlds*
PSYC 109 The Human Environment
PSYC 231 Psychology of Aggression*

Sociology

- SOCI 113 Social Problems
SOCI 202 Racial and Ethnic Relations*†
SOCI 209 Sociology of Poverty and Welfare
SOCI 211 Sociology of Health and Illness
SOCI 212 Sociology of Technology

- SOCI 216 Sociology of Food and Population
SOCI 218 Sociology of Population
SOCI 230 Sociology of Conflict and Violence

Spanish/Italian

- ITAL 281 Contemporary Italian Cultural Studies

Women's Studies

- WMST 102 Women's Worlds*

C. FINE AND PERFORMING ARTS: ART APPRECIATION

Art and Design

- ARAN 190 Introduction to the Visual Arts
ARFI 281 Global Textiles
ARFM 280 Film as Art: Historical and Contemporary
ARGS 280 Art Forum
ARHS 105 Art in Western Civilization: Ancient and Medieval
ARHS 106 Art in Western Civilization: Renaissance to Modern
ARHS 108 Women in Art
ARHS 215 Ancient Art
ARHS 217 Selected Masterpieces of World Art
ARHS 230 History of the Print
ARHS 275 Afro-American Art*
ARHS 276 History of Textiles: Focus on the Americas
ARHS 327 History of Oriental Art
ARHS 328 Survey of Greek Art
ARHS 450 Modern Architecture

Classics and General Humanities

- GNHU 208 Introduction to the Film
GNHU 288 Music and Art in French Civilization

English

- ENFL 208 Introduction to the Film

Honors Program

- HONP 201 Honors Seminar in the Foundations of the Creative Process**

Music

- MUGN 100 Introduction to Music
MUGN 160 Introduction to Music in World Cultures
MUGN 209 Introduction to Jazz*
MUGN 236 The American Musical
MUGN 237 Appreciation of the Opera
MUGN 238 Orchestral Literature
MUGN 240 Music of the Romantic Period

Theatre and Dance

- DNCE 105 Dance Appreciation
DNCE 315 Dance History: Primitive to 1850
DNCE 316 Dance History: 1850 to Present
THTR 100 Introduction to the Theatrical Medium
THTR 265 The Contemporary Theatre of Cultural Diversity*
THTR 280 The Power of Masks*

D. FOREIGN LANGUAGE

Classics and General Humanities

- GREK 101 Beginning Greek I
GREK 112 Beginning Greek II
GREK 121 Intermediate Greek I
GREK 132 Intermediate Greek II
LATN 101 Beginning Latin I

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

LATN 112 Beginning Latin II
 LATN 121 Intermediate Latin I
 LATN 132 Intermediate Latin II
 LATN 201 Latin Literature of the Republic
 LATN 202 Latin Literature of the Golden Age
 LATN 203 Latin Literature of the Silver Age

French, German, and Russian

ARAB 101 Beginning Arabic I
 ARAB 112 Beginning Arabic II
 FREN 101 Beginning French I
 FREN 112 Beginning French II
 FREN 121 Intermediate French I
 FREN 132 Intermediate French II
 FREN 145 Introduction to French Culture
 FREN 146 Readings in French Literature
 GERM 101 Beginning German I
 GERM 103 Beginning German I (Reading)
 GERM 112 Beginning German II
 GERM 114 Beginning German II (Reading)
 GERM 121 Intermediate German I
 GERM 123 Intermediate German I (Reading)
 GERM 132 Intermediate German II
 GERM 134 Intermediate German II (Reading)
 GERM 151 Advanced German I
 GERM 152 Advanced German II
 GERM 251 Introduction to German Literature I
 GERM 252 Introduction to German Literature II
 GERM 351 German Civilization I
 GERM 352 German Civilization II
 RUSS 101 Beginning Russian I
 RUSS 112 Beginning Russian II
 RUSS 121 Intermediate Russian I
 RUSS 132 Intermediate Russian II
 RUSS 141 Advanced Russian I
 RUSS 152 Advanced Russian II

Linguistics

AMSL 101 Beginning American Sign Language I
 AMSL 102 Beginning American Sign Language II
 ARBC 101 Beginning Arabic I
 ARBC 112 Beginning Arabic II
 CHIN 101 Beginning Chinese I
 CHIN 102 Beginning Chinese II
 CHIN 201 Intermediate Chinese I
 CHIN 202 Intermediate Chinese II
 JAPN 101 Beginning Japanese I
 JAPN 102 Beginning Japanese II
 JAPN 201 Intermediate Japanese I
 JAPN 202 Intermediate Japanese II
 LNGN 220 Structure of American English

Spanish/Italian

ITAL 101 Italian I
 ITAL 102 Italian II
 ITAL 103 Italian III
 ITAL 104 Italian IV
 ITAL 340 Studies in Italian Literature: Origins to 18th Century
 ITAL 341 Studies in Italian Literature: 18th through
 20th Centuries
 ITAL 360 Italian Cultural History
 PORT 101 Portuguese I
 PORT 102 Portuguese II
 PORT 103 Portuguese III
 PORT 104 Portuguese IV

PORT 160 Masterpieces in Portuguese Literature
 PORT 162 Masterpieces in Brazilian Literature
 PORT 260 Luso-Brazilian Culture
 SPAN 101 Spanish I
 SPAN 102 Spanish II
 SPAN 103 Spanish III
 SPAN 104 Spanish IV
 SPAN 120 Comprehensive Spanish I and II
 SPAN 135 Spanish for Native Speakers
 SPAN 140 Comprehensive Spanish III and IV
 SPAN 145 Readings in Hispanic Literature
 SPAN 280 Cuban Cultural History*
 SPAN 361 Masterpieces of Spanish Literature I
 SPAN 362 Masterpieces of Spanish Literature II
 SPAN 363 Masterpieces of Spanish-American Literature I
 SPAN 364 Masterpieces of Spanish-American Literature II
 SPAN 374 Spanish Cultural History
 SPAN 376 Spanish-American Cultural History*

E. HUMANITIES

E1. World Literature or General Humanities

Art and Design

ARHS 250 Modern Philosophies of Art

Classics and General Humanities

GNHU 115 Troy and the Trojan War
 GNHU 201 General Humanities I (to 1400)
 GNHU 202 General Humanities II (from 1400)
 GNHU 211 Classicism and American Culture
 GNHU 285 Mythology

English

ENLT 206 World Literature: The Coming of Age Theme
 ENLT 207 World Literature: Voices of Tradition and Challenge

E2. Philosophy/Religion

Educational Foundations

EDFD 220 Philosophical Orientation to Education

Philosophy and Religion

PHIL 100 Introduction to Philosophy
 PHIL 106 Logic
 PHIL 210 Ethics
 PHIL 212 Social and Political Philosophy
 RELG 100 Religions of the World
 RELG 101 Introduction to Religion
 RELG 103 Religion and Moral Issues
 RELG 218 Death, Dying, and Afterlife
 RELG 221 Religion and Culture

F. MATHEMATICS AND COMPUTER SCIENCE

F1. Computer Science

Computer Science

CMPT 107 Computers and Society
 CMPT 108 Computers and Programming
 CMPT 109 Introduction to Computer Applications:
 Being Fluent with Information Technology

* *Meets Multicultural Awareness Requirement.*

† *Meets Human and Intercultural Relations Requirement for teacher certification.*

** *For honors program students only.*

(1) *Recommended for students with strong math/science background.*

- CMPT 112 Honors Seminar in Computing**
 CMPT 183 Foundations of Computer Science I (1)
Honors Program
 HONP 112 Honors Seminar in Computing**

F2. Mathematics

- Honors Program*
 HONP 104 Honors Seminar in Fractals and Infinity**
Mathematical Sciences
 MATH 103 The Development of Mathematics
 MATH 104 Fractals and Infinity
 MATH 106 Contemporary Applied Math for Everyone
 MATH 109 Statistics
 MATH 116 Calculus A (1)
 MATH 122 Calculus I (1)
 MATH 221 Calculus II (1)

G. NATURAL/PHYSICAL SCIENCE

G1 or G2. Laboratory or Non-Laboratory Science

- Anthropology*
 ANTH 101 Physical Anthropology
Biology and Molecular Biology
 BIOL 100 Biological Sciences
 BIOL 103 Basic Biology I
 BIOL 104 Basic Biology II
 BIOL 110 The Biology of Human Life
Chemistry and Biochemistry
 CHEM 100 Introductory Chemistry
 CHEM 120 General Chemistry I (1)
Earth and Environmental Studies
 GEOS 107 Planet Earth
 GEOS 112 Physical Geology
 GEOS 114 Historical Geology
 GEOS 125 Earth and the Environment
 GEOS 257 Understanding Weather and Climate
 (for students who take the course fall 2002 or thereafter)
Honors Program
 HONP 210 Honors Seminar in Science I**
Mathematical Sciences
 PHYS 100 Concepts in Science
 PHYS 105 Science of Sound
 PHYS 191 University Physics I (1)
 PHYS 192 University Physics II (1)
 PHYS 193 College Physics I (1)
 PHYS 194 College Physics II (1)

G1. Laboratory Science Only

- Biology and Molecular Biology*
 BIOL 121 The Plant Kingdom (1)

G2. Non-Laboratory Science Only

- Biology and Molecular Biology*
 BIOL 107 Biology for Survival
 BIOL 109 The Living World
 BIOL 111 Emerging Diseases
 BIOL 215 Human Heredity
Chemistry and Biochemistry
 CHEM 102 Our Material World
Earth and Environmental Studies
 EUGS 100 Principles of Geography
 GEOS 108 Principles of Geology
 GEOS 110 Natural Disasters
 GEOS 162 General Oceanography

- GEOS 157 Understanding Weather and Climate
 (for students who took the course prior to fall 2002)
Health Professions, Physical Education, Recreation, and Leisure Studies
 HLTH 240 Foundations of Environmental Health
Honors Program
 HONP 211 Honors Seminar in Contemporary Issues I**
Human Ecology
 HENU 182 Nutrition
Mathematical Sciences
 PHYS 104 History of Science
 PHYS 106 Science and Society
 PHYS 180 Descriptive Astronomy

H. PHYSICAL EDUCATION

- Health Professions, Physical Education, Recreation, and Leisure Studies*
 PEGN 200 Beginning Swimming
 PEGN 201 Springboard Diving
 PEGN 202 Badminton
 PEGN 203 Golf
 PEGN 240 Platform Tennis
 PEGN 242 Racquetball
 PEGN 250 Intermediate Swimming
 PEGN 251 Aerobic Activities
 PEGN 252 Archery
 PEGN 253 Gymnastics
 PEGN 257 Weight Training and Conditioning
 PEGN 258 Beginning Tennis
 PEGN 260 Beginning Riding
 PEGN 261 Fencing
 PEGN 262 Volleyball
 PEGN 263 Jogging
 PEGN 264 Soccer
 PEGN 265 Figure Skating
 PEGN 266 Skiing
 PEGN 267 Advanced Swimming
 PEGN 268 Bicycling
 PEGN 270 Folk and Square Dance
 PEGN 271 Social Dance
 PEGN 272 Bowling
 PEGN 274 SCUBA Diving
 PEGN 275 Beginning Karate
 PEGN 278 Yoga
 PEGN 279 Climbing and Rappelling

I. SOCIAL SCIENCE

II. American or European History

- Classics and General Humanities*
 GNHU 281 Greek Civilization
 GNHU 282 Roman Civilization
Curriculum and Teaching
 INDS 248 Historical Perspectives of American Industries-
 Field Study

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

History

- HIST 101 Connections: Years That Made History
- HIST 103 Foundations of Western Civilization
- HIST 105 Emergence of European Civilization 1500-1914
- HIST 106 Contemporary Europe, 1914-Present
- HIST 110 Introduction to American Civilization
- HIST 111 Contemporary American Issues in Historical Perspective
- HIST 117 History of the United States To 1876
- HIST 118 History of the United States Since 1876
- HIST 281 Greek Civilization
- HIST 282 Roman Civilization

12. Non-Western Cultural Perspectives

Anthropology

- ANTH 115 Cultures of the Middle East*
- ANTH 120 Native North Americans*
- ANTH 130 Cultures of Southeast Asia*
- ANTH 140 Nonwestern Contributions to the Western World*
- ANTH 150 Native Latin Americans*
- ANTH 170 Peoples of Africa*
- ANTH 312 Peasant Culture
- ANTH 431 Development of Indian Character and Culture
- ANTH 432 Development of Japanese Character and Culture

Art and Design

- ARHS 220 Art in Non-Western Societies*

Classics and General Humanities

- GNHU 289 Francophone Film*
- GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies

- EUGS 412 Geography of the Sub-Sahara Africa
- EUGS 413 Geography of the Middle East

Economics and Finance

- ECON 303 Economic Growth and Development

French, German, and Russian

- FREN 289 Francophone Film*
- FRIN 289 Francophone Film*
- GRIN 293 Russian Culture and Civilization

History

- HIST 108 Introduction to African Civilization*
- HIST 109 Introduction to Islamic Civilization*
- HIST 114 Early Latin American Civilization*
- HIST 131 Introduction to Indian Civilization*
- HIST 132 Introduction to Chinese Civilization*
- HIST 223 Communist Revolution in China
- HIST 431 Development of Indian Character and Culture
- HIST 432 Development of Japanese Character and Culture

Latin American and Latino Studies

- LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction*

Philosophy and Religion

- RELG 210 Native American Religions*

Political Science

- POLS 204 Government and Politics of Africa*
- POLS 206 Government and Politics of China and Japan*

Sociology

- SOCI 220 Sociology of Rich and Poor Nations

13a. Social Science, Survey Courses

Anthropology

- ANTH 100 Cultural Anthropology*
- ANTH 102 Anthropological Linguistics
- ANTH 103 Prehistoric Archaeology

Earth and Environmental Studies

- EUGS 101 Human Geography

Economics and Finance

- ECON 100 Introduction to Economics
- ECON 101 Principles of Economics: Macro
- ECON 102 Principles of Economics: Micro

Honors Program

- HONP 202 Honors Seminar in Contemporary Issues II**

Legal Studies

- LSLW 200 Introduction to Law

Linguistics

- LNGN 210 Introduction to General Linguistics

Political Science

- POLS 201 Comparative Politics

Psychology

- PSYC 101 General Psychology I: Growth and Development
- PSYC 246 Psychology of the Black Experience*†

Sociology

- SOCI 100 The Sociological Perspective

13b. Social Science, Topic Courses

Anthropology

- ANTH 202 Cultural Change and Modernization
- ANTH 210 Urban Anthropology*†
- ANTH 220 American Folk Culture

Classics and General Humanities

- GNHU 181 Introduction to Classical Archaeology

Earth and Environmental Studies

- EUGS 102 World Geography
- EUGS 206 Introduction to American Urban Studies*
- EUGS 208 Land and Life in Latin America*
- EUGS 213 Urban Geography*†

Economics and Finance

- ECON 215 The Economics of Social Problems*†
- ECON 403 Comparative Economic Systems

Educational Foundations

- EDFD 440 Sociological Foundations of Education

Honors Program

- HONP 103 Honors Seminar in Contemporary Civilization, Part II**

Human Ecology

- HEFM 140 Family in Society
- HEMG 231 The Family in the Economic System

Information and Decision Sciences

- BSED 101 Contemporary Business

Linguistics

- LNGN 230 Language in Society
- LNGN 245 Language and Culture
- LNGN 255 Language and Gender*

Political Science

- POLS 100 Introduction to Politics
- POLS 101 American Government and Politics

Psychology

- PSYC 105 The Psychological Study of Social Issues
- PSYC 200 Educational Psychology
- PSYC 201 Child Psychology

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

PSYC 202 Adolescent Psychology
 PSYC 225 Psychology of Adjustment
 PSYC 265 Psychology of Women*
Sociology
 SOCI 101 Criminology
 SOCI 204 Sociology of the Family
 SOCI 207 Social Structure of American Society

J. ELECTIVES

The following may be used to satisfy the General Education Elective Requirement:

1. GER approved courses (other than Physical Education)
2. General introductory courses at the 100-level or 200-level in any department within the College of Humanities and Social Sciences, College of Science and Mathematics and School of the Arts.
3. Courses in the areas of Creative Expression and/or Personal/Professional Issues.

Note: General Education Electives must be taken outside the student's major.

J3. Creative Expression

Art and Design

ARAN 191 Visual Arts Studio
 ARCE 200 Ceramics: Pottery and Sculpture, Beginning I
 ARCE 210 Ceramics: Pottery and Sculpture, Beginning II
 ARDW 200 Drawing, Beginning I
 ARDW 201 Life Drawing, Beginning I
 ARDW 210 Drawing, Beginning II
 ARDW 211 Life Drawing, Beginning II
 ARFI 200 Fibers and Fabrics, Beginning I
 ARFI 201 Textile Design, Introduction
 ARFI 210 Fibers and Fabrics, Beginning II
 ARFI 222 Surface Design, Introduction A
 ARFI 223 Leather, Introduction A
 ARFI 232 Surface Design, Introduction B
 ARFI 233 Leather, Introduction B
 ARFM 200 Film Making, Beginning I
 ARFM 210 Film Making, Beginning II
 ARFV 220 Video with Computer Multi-Media, Introduction A
 ARG5 261 Multi-Media, Beginning
 ARG5 361 Multi-Media, Advanced
 ARIL 261 Humor/Satirical Illustration for Publication
 ARPA 200 Painting, Beginning I
 ARPA 210 Painting, Beginning II
 ARPA 260 Figurative Painting
 ARPG 360 Intermediate Papermaking
 ARPH 200 Photography Beginning I: Contemporary Art Form
 ARPH 300 Photography Intermediate: Contemporary Art Form
 ARPM 200 Printmaking, Beginning I
 ARPM 260 Etching and Relief Printing
 ARPM 261 Lithography
 ARSC 200 Sculpture, Beginning I
 ARSC 210 Sculpture, Beginning II
 ARSC 220 Sculpture: Fabrication, Introduction A
 ARSC 221 Sculpture: Clay, Introduction A
 ARSC 222 Sculpture: Metal Casting, Introduction A
 ARSC 223 Sculpture: Welding/Brazing, Introduction A
 ARSC 224 Sculpture: Carving, Introduction A
 ARSC 226 Sculpture: Modeling/Casting, Introduction A
 ARSC 230 Sculpture: Fabrication, Introduction B
 ARSC 231 Sculpture: Clay, Introduction B
 ARSC 232 Sculpture: Metal Casting, Introduction B

ARSC 233 Sculpture: Welding/Brazing, Introduction B
 ARSC 234 Sculpture: Carving, Introduction B
 ARSC 236 Sculpture: Modeling/Casting, Introduction B

Communication Studies

SPCM 260 Oral Interpretation of Literature

Music

MUCP 150 Fundamentals of Music for the Non-Major
 MUGN 250 Rap and Rock as Cultural Phenomena*
 MUPR 100 Class Piano for the Non-Music Major
 MUPR 103 Voice Class for the Non-Music Major
 MUPR 105 Modern Guitar Workshop

Theatre and Dance

DNCE 141 Dance Technique: Modern I
 DNCE 155 Dance Technique: Ballet I
 THTR 105 Acting I
 THTR 363 Reader's Theatre

J3. Personal/Professional Issues

Art and Design

ARTH 280 Introduction to Art Therapy
 ARTH 361 Group Art Therapy

Counseling, Human Development and Educational Leadership

COUN 330 Dynamics of One-to-One Communication
 COUN 331 Group Dynamics
 COUN 432 Personal Values
 COUN 482 Career Consciousness

Health Professions, Physical Education, Recreation, and Leisure Studies

HLTH 101 Personal Health Issues
 HLTH 220 Mental Health
 HLTH 290 Human Sexuality

Human Ecology

HEFM 141 Interpersonal Relations
 HEFM 320 Parenting Skills and Resources
 HETX 122 Clothing and Culture: A Multidisciplinary Study*

Information and Decision Sciences

BSED 309 Personal Finance

Psychology

PSYC 103 Freshman Seminar

Sociology

SOCI 206 Individual and Society

* Meets Multicultural Awareness Requirement.

† Meets Human and Intercultural Relations Requirement for teacher certification.

** For honors program students only.

(1) Recommended for students with strong math/science background.

Multicultural Awareness Requirement

The purpose of the Multicultural Awareness Requirement is to ensure that all graduates are acquainted with the life, history, and contributions of Africans, African-Americans, Asian/Pacific Islanders, Latinos, Women and Native Americans. With the completion of this requirement, all graduates will have a fuller appreciation of our nation's heritage and future directions.

The following is a listing of the courses which meet this requirement. Certain of the courses listed below may simultaneously be used to meet the General Education Requirements and/or the Human and Intercultural Relations Requirement for Teacher Education, *if they are included on the approved list of these courses.*

Anthropology

ANTH	100	Cultural Anthropology
ANTH	110	Anthropology of Multicultural America
ANTH	115	Cultures of the Middle East
ANTH	120	Native North Americans
ANTH	130	Cultures of Southeast Asia
ANTH	140	Nonwestern Contributions to the Western World
ANTH	150	Native Latin Americans
ANTH	170	Peoples of Africa
ANTH	210	Urban Anthropology
ANTH	240	Human Variation
ANTH	380	Anthropology of Women

Art and Design

ARHS	220	Art in Non-Western Societies
ARHS	275	Afro-American Art
ARHS	458	African Art: Sub-Saharan

Classics and General Humanities

GNHU	186	Myths and Images of Women in French Literature
GNHU	217	Reading Asian Cultures
GNHU	289	Francophone Film
GNHU	381	Africa in Classical Antiquity
GNHU	383	Women in Antiquity
GNHU	399	Development of Black Thought

Counseling, Human Development and Educational Leadership

COUN	481	The Legal Rights of Women
------	-----	---------------------------

Curriculum and Teaching

CURR	412	Field Work in Urban Education
CURR	423	Teaching in Urban Schools

Earth and Environmental Studies

EUGS	206	Introduction to American Urban Studies
EUGS	208	Land and Life in Latin America
EUGS	213	Urban Geography
EUGS	301	Urban Field Studies
GELA	100	The Many Worlds of Latin America: Interdisciplinary Perspectives

Economics and Finance

ECON	215	The Economics of Social Problems
ECON	405	Economic Development of Sub-Saharan Africa

Educational Foundations

EDFD	264	Gender Issues in Education
EDFD	445	Puerto Rican Children in Mainland Schools

English

ENGL	238	Black Writers in the United States: A Survey
ENGL	294	Women Poets
ENLT	274	Twentieth Century Literature of Immigration
ENLT	366	African Myth and Literature
ENLT	367	Contemporary African Literature

French, German, and Russian

FREN	289	Francophone Film
------	-----	------------------

FRIN	289	Francophone Film
GRIN	297	Women in Russian Literature

History

HIST	108	Introduction to African Civilization
HIST	109	Introduction to Islamic Civilization
HIST	114	Early Latin American Civilization
HIST	115	History of Puerto Rico
HIST	131	Introduction to Indian Civilization
HIST	132	Introduction to Chinese Civilization
HIST	133	Modern Chinese Civilization
HIST	205	Minorities in American History
HIST	215	Women in American History
HIST	217	History of Black Americans

Human Ecology

HECO	205	Women in Contemporary Society
HEFM	445	The Inner City Family
HENU	153	Dynamics of Food and Society
HETX	122	Clothing and Culture: A Multidisciplinary Study

Latin American and Latino Studies

LALS	201	Perspectives on Latin America
LALS	205	Image and Identity: Representation of Latin American Women in Film and Fiction

Legal Studies

LSLW	220	Conflict and Its Resolution
------	-----	-----------------------------

Linguistics

LNGN	255	Language and Gender
------	-----	---------------------

Literacy and Educational Media

MEDI	355	Media in Intercultural Communication
------	-----	--------------------------------------

Management

MGMT	332	Minorities in Business
------	-----	------------------------

Music

MUGN	150	Influence of Afro-American Culture on Music
MUGN	209	Introduction to Jazz
MUGN	250	Rap and Rock as Cultural Phenomena
MUGN	309	The Art of Jazz

Philosophy and Religion

PHIL	237	Asian Philosophy
RELG	106	African Religious Traditions
RELG	108	African-American Religious Experience
RELG	210	Native American Religions
RELG	212	Asian Religions
RELG	213	Buddhism
RELG	267	Women in Religion

Political Science

POLS	204	Government and Politics of Africa
POLS	206	Government and Politics of China and Japan
POLS	214	Women in Politics
POLS	308	Ethnic Politics in America
POLS	312	Black Politics in America
POLS	404	Government and Politics of India and South Asia
POLS	405	Government and Politics of Latin America

Psychology

PSYC	102	Women's Worlds
PSYC	231	Psychology of Aggression
PSYC	245	Mental Health Issues of Hispanic Americans
PSYC	246	Psychology of the Black Experience
PSYC	265	Psychology of Women

Sociology

SOCI	202	Racial and Ethnic Relations
SOCI	205	Black Family
SOCI	311	Urban Sociology
SOCI	315	Social Stratification
SOCI	430	Sociology of Gender

*Spanish/Italian (*Taught in Spanish)*

SPAN	280	Cuban Cultural History*
SPAN	360	Hispanic Community Program*
SPAN	376	Spanish-American Cultural History*
SPAN	472	Puerto Rican Literature and Thought*
SPAN	475	Seminar on Hispanic Culture in the United States*
SPIN	161	Magic Realism in Spanish American Literature

Theatre and Dance

DNCE	345	Dance Technique: Ethnic
THTR	265	The Contemporary Theatre of Cultural Diversity
THTR	280	The Power of Masks

Women's Studies

WMST	102	Women's Worlds
------	-----	----------------

Writing Requirement

Written work is an important part of the Montclair State curriculum because writing offers students the opportunity to think deeply and searchingly about their subjects and because skill in written expression is crucial to the welfare of both individuals and society. Montclair State's policy regarding written work includes the following requirements and provisions:

1. The document "Standards for Formal Written Work," which is published in this catalog, outlines in a general way Montclair State's expectations concerning the content, organization, and format of written assignments. These provisions may be supplemented by departmental writing policy statements or by those of individual instructors.
2. As part of the General Education Requirement, each student must satisfy the communication requirement in writing, usually by taking *College Writing I: Intellectual Prose*.
3. Writing is an important part of course requirements throughout the institution (minimum: 2,000 words per course). This work may take such forms as essay examinations, research papers, laboratory reports, critical essays, and so forth.
4. All students must satisfy a graduation requirement in writing. Each department must evaluate the writing ability of its majors by means of a required course (or choice of courses) with substantial writing assignments (formal and informal), opportunities for revision, instruction for writing in the discipline and instructor feedback on student writing. Normally this course should be taken in the junior year. Students with serious writing problems will be identified early in the semester, referred to the Writing Center and/or provided with individual tutoring by the instructor. Students may not graduate until they have passed the course. Students should consult their academic advisor or major department chairperson regarding this course and other aspects of the department's writing policy. See list.
5. The Writing Center (Dickson Hall, Room 285, 973-655-7442) is available to all MSU students who are committed to developing themselves as writers. Whether students are encouraged to attend the Writing Center by an instructor, or choose it on their own, students will be provided with a tutor for weekly meetings. Writing Center tutors' abilities to give concrete, encouraging, and regular feedback will enable writers to improve their capacity to develop and express complex ideas meaningfully and clearly. There is no charge for this service.

Courses Satisfying the Graduation Requirement in Writing are listed under each of the undergraduate majors and concentrations:

ALHE	Allied Health Services major	B.S.
HLTH	315 Public Health	
HLTH	455 Core Concepts in the Delivery of Health Care	
ANED	Anthropology (Teacher Education)	B.A.
ANTH	102 Anthropological Linguistics	
ANTH	Anthropology major	B.A.
ANTH	102 Anthropological Linguistics	
ATTR	Athletic Training major	B.S.
ATTR	211 Assessment of Athletic Injuries I-Lower Body	
HPEM	100 Orientation to the Field of Health and Physical Education	
BICM	Biochemistry major	B.S.
BIOL	380 Genetics	
BIOL	Biology major	B.S.
BIOL	380 Genetics	
BIED	Biology major (Teacher Education)	B.S.
BIOL	380 Genetics	
BIES	Biology major, Environmental Science concentration	B.S.
BIOL	380 Genetics	
BRCA	Broadcasting major	B.A.
BDCA	140 Writing for the Broadcasting Media	
BAAC	Business Administration major, Accounting concentration	B.S.
ACCT	304 Contemporary Issues in Intermediate Accounting	
BAEC	Business Administration major, Economics concentration	B.S.
INFO	320 Administrative Business Communications	
BAFN	Business Administration major, Finance concentration	B.S.
FINC	490 Seminar in Finance	
BAIB	Business Administration major, International Business concentration	B.S.
INFO	320 Administrative Business Communications	
MGMT	316 Human Resource Management	
MKTG	442 Marketing Research	
MKTG	483 Seminar in Retail Management	
BAMG	Business Administration major, Management concentration	B.S.
MGMT	316 Human Resource Management	
BAMI	Business Administration major, Management Information Systems concentration	B.S.
INFO	320 Administrative Business Communications	
BAMK	Business Administration major, Marketing concentration	B.S.
MKTG	442 Marketing Research	
BAQM	Business Administration major, Quantitative Methods concentration	B.S.
INFO	320 Administrative Business Communications	
BARM	Business Administration major, Retail Merchandising and Management concentration	B.S.
MKTG	483 Seminar in Retail Management	
CHEM	Chemistry major	B.S.
CHEM	343 Experimental Physical Chemistry	
CHEM	495 The Chemical Literature	
CLAS	Classics major	B.A.
GNHU	281 Greek Civilization	

CSSC	Communication Studies major, Speech Communication concentration B.A. SPCM 301 Seminar in Communication Research SPCM 374 Group Processes SPCM 388 Seminar in Public Relations	FASI	Fine Arts/Studio major, Industrial Design concentration B.F.A. ARHS 105 Art in Western Civilization: Ancient and Medieval ARHS 106 Art in Western Civilization: Renaissance to Modern
CSOC	Communication Studies major, Organizational Communication concentration B.A. SPCM 301 Seminar in Communication Research SPCM 374 Group Processes SPCM 388 Seminar in Public Relations	FRED	French major (Teacher Education) B.A.
CSPR	Communication Studies major, Public Relations concentration B.A. SPCM 301 Seminar in Communication Research SPCM 388 Seminar in Public Relations	FRCV	French major, French Civilization concentration B.A. FREN 350 Translation I FREN 351 Translation II FREN 452 Translation III
CPSC	Computer Science major B.S. CMPT 287 Data Structures, File Structures, and Algorithms	FRTR	French major, Translation concentration B.A. FREN 350 Translation I FREN 351 Translation II FREN 452 Translation III
CPIN	Computer Science major, Informatics concentration B.S. CMPT 287 Data Structures, File Structures, and Algorithms	GHUM	General Humanities major B.A. GNHU 201 General Humanities I (to 1400) GNHU 202 General Humanities II (from 1400)
CPPC	Computer Science major, Professional Computing concentration B.S. CMPT 287 Data Structures, File Structures, and Algorithms	GEOG	Geography major B.A. EUGS 309 Research Methods EUGS 310 Quantitative Methods in Geography and Urban Studies GEOS 457 Meteorology
DANC	Dance major B.F.A. DNCE 315 Dance History: Primitive to 1850 DNCE 316 Dance History: 1850 to Present	GEEN	Geography major, Environmental Studies concentration B.A. EUGS 309 Research Methods EUGS 310 Quantitative Methods in Geography and Urban Studies GEOS 457 Meteorology
ECON	Economics major B.A. INFO 320 Administrative Business Communications	GEUR	Geography major, Urban Studies concentration B.A. EUGS 309 Research Methods
ECOE	Economics major (Teacher Education, Social Studies) B.A.	GEOS	Geoscience major B.S. GEOS 434 Stratigraphy GEOS 444 Petrology GEOS 457 Meteorology
ECBE	Economics major, Business Economics concentration B.A. INFO 320 Administrative Business Communications	GEES	Geoscience major, Environmental Science concentration B.S. GEOS 434 Stratigraphy GEOS 444 Petrology GEOS 457 Meteorology
ENGL	English major B.A. ENGL 200 The Pursuits of English	HIED	History major (Teacher Education) B.A. HIST 100 The Study of History
ENED	English major (Teacher Education) B.A. ENGL 200 The Pursuits of English	HLED	Health Education major B.S. HLTH 315 Public Health HLTH 330 Foundations of Health Education
ENCW	English major, Creative Writing concentration B.A. ENGL 200 The Pursuits of English	HLCH	Health Education major, Community Health Services concentration B.S. HLTH 315 Public Health HLTH 330 Foundations of Health Education
FAAH	Fine Arts major, Art History concentration B.A. ARHS 105 Art in Western Civilization: Ancient and Medieval ARHS 106 Art in Western Civilization: Renaissance to Modern	HIST	History major B.A. HIST 100 The Study of History
FAED	Fine Arts major, Fine Arts Education concentration B.A. ARHS 105 Art in Western Civilization: Ancient and Medieval ARHS 106 Art in Western Civilization: Renaissance to Modern	HOMG	Hospitality Management major B.S. HOSP 230 Hospitality Management
FAST	Fine Arts major, Studio concentration B.A. ARHS 105 Art in Western Civilization: Ancient and Medieval ARHS 106 Art in Western Civilization: Renaissance to Modern	HUCA	Human Ecology major, Consumer Affairs concentration B.A. HEMG 270 Individual Management: Theories and Strategies
FASF	Fine Arts/Studio major B.F.A. ARHS 105 Art in Western Civilization: Ancient and Medieval ARHS 106 Art in Western Civilization: Renaissance to Modern	HUCL	Human Ecology major, Family and Child Studies - Child Life Specialist concentration B.A. HEMG 270 Individual Management: Theories and Strategies

HUFP	Human Ecology major, Family and Child Studies - Early Childhood concentration B.A. HEMG 270 Individual Management: Theories and Strategies	MTED	Mathematics major (Teacher Education) B.S. MATH 335 Linear Algebra
HUFE	Human Ecology major, Family and Child Studies - Early and Middle Childhood concentration B.A. HEMG 270 Individual Management: Theories and Strategies	MAAM	Mathematics major, Applied Mathematics concentration B.S. MATH 335 Linear Algebra
HUFA	Human Ecology major, Family and Child Studies - Family Services concentration B.A. HEMG 270 Individual Management: Theories and Strategies	MOBI	Molecular Biology major B.S. BIOL 380 Genetics
HUGR	Human Ecology major, Family and Child Studies - Gerontology concentration B.A. HEMG 270 Individual Management: Theories and Strategies	MUED	Music major, Music Education concentration B.A. MUHS 307 Music History I
HUFS	Human Ecology major, Fashion Studies concentration B.A. HEMG 270 Individual Management: Theories and Strategies	MUPF	Music major, Performance concentration B.Mus. MUHS 307 Music History I
HUFD	Human Ecology major, Food and Nutrition - Dietetics concentration B.S. HEMG 270 Individual Management: Theories and Strategies	MUTC	Music major, Theory/Composition concentration B.Mus. MUHS 307 Music History I
HUFG	Human Ecology major, Food and Nutrition - General concentration B.S. HEMG 270 Individual Management: Theories and Strategies	MUSC	Music (five-year combined undergraduate program culminating with the award of both the B.Mus. and B.A. degrees) B.Mus., B.A. MUHS 307 Music History I
HUFM	Human Ecology major, Foodservice Management concentration B.S. HEMG 270 Individual Management: Theories and Strategies	MUTH	Music Therapy major B.A. MUHS 307 Music History I
HUED	Human Ecology major, Home Economics Education concentration B.A. HEMG 270 Individual Management: Theories and Strategies	PHIL	Philosophy major B.A. PHIL 331 History of Philosophy: Ancient Philosophy PHIL 333 History of Philosophy: Modern Philosophy
ITAL	Italian major B.A. ITAL 243 Italian Grammar and Composition II	PHED	Physical Education major B.S. HPEM 100 Orientation to the Field of Health and Physical Education HPEM 352 Development and Philosophy of Health and Physical Education
ITTE	Italian (Teacher Education) B.A. ITAL 243 Italian Grammar and Composition II	PEAF	Physical Education major, Adult Fitness concentration B.S. HPEM 100 Orientation to the Field of Health and Physical Education HPEM 352 Development and Philosophy of Health and Physical Education
JUCA	Justice Studies major, Child Advocacy concentration B.A. JUST 200 Perspectives on Justice Studies I	PHYS	Physics major B.S. PHYS 280 Astronomy PHYS 310 Advanced Mechanics PHYS 350 Optics PHYS 462 Nuclear Physics
JUJS	Justice Studies major, Justice Systems concentration B.A. JUST 200 Perspectives on Justice Studies I	POED	Political Science major (Teacher Education- Social Studies) B.A. POLS 201 Comparative Politics
JUPS	Justice Studies major, Paralegal Studies concentration B.A. JUST 200 Perspectives on Justice Studies I	POLS	Political Science major B.A. POLS 201 Comparative Politics
LATN	Latin major B.A. LATN 201 Latin Literature of the Republic LATN 202 Latin Literature of the Golden Age LATN 203 Latin Literature of the Silver Age LATN 204 Latin Literature of the Middle Ages	PRAN	Practical Anthropology major (five-year combined undergraduate and graduate program culminating with the award of both the B.A. and M.A. degrees) B.A., M.A. ANTH 102 Anthropological Linguistics
LIED	Linguistics major (Teacher Education) B.A. LNGN 300 Syntax	PSED	Psychology major (Teacher Education) B.A. PSYC 301 Experimental Psychology PCOM 387 Methods in Evaluation Research
LING	Linguistics major B.A. LNGN 300 Syntax	PSYC	Psychology major B.A. PSYC 301 Experimental Psychology PCOM 387 Methods in Evaluation Research
MATH	Mathematics major B.S. MATH 335 Linear Algebra	RPCM	Recreation Professions major, Commercial Recreation and Tourism concentration B.S. PERL 124 Introduction to Recreation, Tourism, Hospitality and Leisure Services PERL 322 History and Philosophy of Leisure, Play and Recreation

RELS	Religious Studies major	B.A.
SIBC	Science Informatics major, Biochemistry concentration	B.S.
	BIOL 380 Genetics	
	CMPT 287 Data Structures, File Structures and Algorithms	
SICS	Science Informatics major, Computer Science concentration	B.S.
	BIOL 380 Genetics	
	CMPT 287 Data Structures, File Structures and Algorithms	
SIMB	Science Informatics major, Molecular Biology concentration	B.S.
	BIOL 380 Genetics	
	CMPT 287 Data Structures, File Structures and Algorithms	
SOCI	Sociology major	B.A.
	SOCI 201 Foundations of Sociological Inquiry	
SOED	Sociology major (Teacher Education)	B.A.
	SOCI 201 Foundations of Sociological Inquiry	
SPAN	Spanish major	B.A.
	SPAN 242 Spanish Composition and Stylistics	
	SPAN 350 Translating I	
	SPAN 351 Translating II	
	SPAN 422 Practicum in Translating	
SPTE	Spanish major (Teacher Education)	B.A.
	SPAN 242 Spanish Composition and Stylistics	
SPTR	Spanish major. Translation concentration	B.A.
	SPAN 242 Spanish Composition and Stylistics	
	SPAN 350 Translating I	
	SPAN 351 Translating II	
THAC	Theatre major, Acting concentration	B.F.A.
	THTR 208 Play Script Interpretation	
	THTR 210 Theatre History: Classical to Elizabethan	
	THTR 211 Theatre History: Restoration to Modern	
THPD	Theatre major, Production/Design concentration ..	B.F.A.
	THTR 208 Play Script Interpretation	
	THTR 210 Theatre History: Classical to Elizabethan	
	THTR 211 Theatre History: Restoration to Modern	
THST	Theatre Studies major	B.A.
	THTR 208 Play Script Interpretation	
	THTR 210 Theatre History: Classical to Elizabethan	
	THTR 211 Theatre History: Restoration to Modern	
WMST	Women's Studies major	B.A.
	WMST 402 Seminar in Women's Studies	

Basic Skills Requirement

1. All students must demonstrate proficiencies in writing, reading, computation, elementary algebra, and speech which are compatible with the successful performance of college level work. The Montclair State University Basic Skills Requirement provides for the demonstration of such proficiencies through a program of skills assessment and academic development.
2. The Montclair State University Placement Test (MSUPT) is administered prior to the beginning of the fall and spring semesters. All students accepted to Montclair State will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT test scores are in and placements are determined. Transfer students may be required to present verification of upper class standing to the Academic Needs Assessment prior to registering for classes.
3. The Basic Skills Requirement in reading, writing, computation and elementary algebra may be fulfilled by achieving satisfactory scores on the appropriate sections of the MSUPT.
4. Students receiving low scores on the various sections of the MSUPT may have credits added to the number of semester hours required to graduate. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT.
5. Students are expected to take required developmental courses during their first semester at Montclair State. Full-time students must satisfactorily complete all required courses within the first year of enrollment. Part-time students must enroll in at least one required course during their first semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. No student may withdraw from developmental courses, and any student will be dismissed from Montclair State who does not satisfactorily complete the required developmental course(s).
6. Since the Mathematical Sciences and the Computer Science Department have Basic Skills prerequisites for all of its courses, students will not receive credit for any mathematics course if the Basic Skills Requirement in mathematics has not been satisfied.
7. The Montclair State University Basic Skills Requirement in speech must be fulfilled within a student's first 58 semester hour credits by:
 - A. Satisfactory completion of the Speech Communication Requirement.

OR

- B. Successful Speech Placement/Waiver evaluation:
Application for this examination may be made in early October or early February at the Department of Communication Studies. Passing the examination *does not* grant semester hour credit, only satisfaction of the Speech requirement.
8. All questions about Basic Skills should be addressed to the Center for Academic Development and Assessment, Academic Success Center, Morehead Hall, Room 139, telephone 973-655-4476.

LEGEND OF ALPHA COURSE CODES

College of Education and Human Services

Counseling, Human Development and Educational Leadership

Counseling, Human Development and Educational Leadership COUN

Curriculum and Teaching

Curriculum and Teaching CURR
Educational Media MEDI
Industrial Studies ISED
Industrial Studies/Technology Education INDS
Industrial Studies/Vocational ISVC

Early Childhood, Elementary, and Literacy Education

Early Childhood Elementary Education ECEL
Reading READ

Educational Foundations

Educational Foundations EDFD
Educational Research ELRS

Human Ecology

Human Ecology HECO
Human Ecology/Design HEDN
Human Ecology/Education HEED
Human Ecology/Family HEFM
Human Ecology/Foods HEFD
Human Ecology/Management HEMG
Human Ecology/Nutrition HENU
Human Ecology/Textile HETX

Health Professions, Physical Education, Recreation, & Leisure Studies

Athletic Training ATTR
Health Professions HLTH
Health and Physical Education HPEM
Hospitality Management HOSP
Physical Education/Major PEMJ
Physical Education/Non-major PEGN
Recreation PERL

College of Humanities and Social Sciences

Anthropology

Anthropology ANTH
Anthropology/Practical PRAN

Classics and General Humanities

Classics/Greek GREK
Classics/Latin LATN
General Humanities GNHU

Communication Sciences and Disorders

Communication Sciences and Disorders CSND

English

English ENGL

English/Film ENFL
English/Grammar ENGM
English/Interdisciplinary ENID
English/Literature ENLT
English/Writing ENWR

French, German, and Russian

Arabic ARAB
French FREN
French/Interdisciplinary FRIN
German GERM
German/Interdisciplinary GRIN
Russian RUSS

History

History HIST
Social Science SOSOC

Legal Studies

Legal Studies/Law LSLW
Legal Studies/Paralegal LSPA
Legal Studies/Paralegal LSPR

Linguistics

Arabic ARBC
Linguistics LNGN
Linguistics/American Sign Language AMSL
Linguistics/Chinese CHIN
Linguistics/ESOL ESOL
Linguistics/Japanese JAPN

Philosophy and Religion

Philosophy PHIL
Religion RELG

Political Science

Political Science POLS

Psychology

Psychology PSYC
Psychology/Community PCOM

Sociology

Sociology SOCI

Spanish/Italian

Spanish SPAN
Spanish/Italian Interdisciplinary SPIN
Italian ITAL
Portuguese PORT

Women's Studies

Women's Studies WMST

College of Science and Mathematics

Biology and Molecular Biology

Biology	BIOL
Biology/Cell Culture	BICL
Biology/Marine Sciences	BIMS

Chemistry and Biochemistry

Chemistry	CHEM
-----------------	------

Computer Science

Computer Science	CMPT
------------------------	------

Earth and Environmental Studies

Environmental Studies	ENVR
Urban and Geographic Studies	EUGS
Geography/Latin American	GELA
Geoscience	GEOS
Physics/Geoscience - Marine Science	PHMS

Mathematical Sciences

Mathematics	MATH
Physics/Geoscience	PHYS
Physics/Geoscience Education	PHED
Statistics	STAT

New Jersey School of Conservation

Conservation/Field Studies	CNFS
----------------------------------	------

Science Informatics Interdisciplinary Major

Science Informatics	SCIF
---------------------------	------

School of the Arts

Art and Design

Fine Arts/Art Non-majors	ARAN
Fine Arts/Ceramics	ARCE
Fine Arts/Drawing	ARDW
Fine Arts/Art Education	ARED
Fine Arts/Art and the Environment	AREV
Fine Arts/Foundations	ARFD
Fine Arts/Fibers	ARFI
Fine Arts/Film Making	ARFM
Fine Arts/Video	ARFV
Fine Arts/Graphic Design	ARGD
Fine Arts/General Studies	ARGS
Fine Arts/Museum Studies	ARHM
Fine Arts/Art History	ARHS
Fine Arts/Industrial Design	ARID
Fine Arts/Illustration	ARIL
Fine Arts/Metalwork and Jewelry	ARMJ
Fine Arts/Painting	ARPA
Fine Arts/Performance Art	ARPF
Fine Arts/Papermaking	ARPG
Fine Arts/Photography	ARPH
Fine Arts/Printmaking	ARPM
Fine Arts/Sculpture	ARSC
Fine Arts/Art Studio	ARST
Fine Arts/Art Therapy	ARTH

Broadcasting

Speech and Theatre/Broadcasting	BDCS
---------------------------------------	------

Communication Studies

Speech Communication	SPCM
----------------------------	------

Music

Music/Applied	MUAP
Music/Education	MUED
Music/General	MUGN
Music/History	MUHS
Music/Literature	MULT
Music/Management	MUMG
Music/Performance	MUPR
Music/Secondary Instrument	MSSN
Music/Technology	MUTC
Music/Theory/Composition	MUCP
Music/Therapy	MUTH

Theatre and Dance

Dance	DNCE
Theatre	THTR

School of Business

Accounting, Law, and Taxation

Accounting	ACCT
Business Law	BSLW

Economics and Finance

Economics	ECON
Finance	FINC

Information and Decision Sciences

Business Education	BSED
Information and Decision Sciences	INFO

Management

Management	MGMT
------------------	------

Marketing

International Marketing	INBS
Marketing	MKTG
Marketing/Business	MKAD
Retail Merchandising and Management	DIST

Interdisciplinary Programs

African-American Studies Minor	AFAM
Interdisciplinary Gen Ed 2002	GNED
International Studies Minor	INTL
Justice Studies Major	JUST
Latin American and Latino Studies Minor	LALS
Women's Studies Major and Minor	WMST

Special Programs

Cooperative Education	COED
Honors Program	HONP

ACADEMIC PROGRAMS AND DEPARTMENTS

ACCOUNTING, LAW AND TAXATION

SCHOOL OF BUSINESS

Chairperson: Frank J. Aquilino

Increased government regulation and business expansion demand added expertise of today's accountant. The department's accounting program at the undergraduate and graduate level prepares students for careers in public and private accounting.

The Certified Public Accountant (CPA) is concerned with public accounting. CPA's render a variety of services for their clients: conducting independent audits and providing accounting, tax, and management advisory services.

In the private sector, graduates are prepared primarily for industrial accounting leadership positions. The program emphasizes the structure, design, and analysis of accounting systems in the financial reporting and management decision processes.

The accounting courses integrate the study of theory and current practice with research and computer applications.

A Bachelor of Science degree is offered in Business Administration with a concentration in Accounting. The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number.

Business Administration Major

Semester Hours

Required Core, Business Administration (33 s.h.)

ACCT	201	Fundamentals of Financial Accounting	3
ACCT	202	Fundamentals of Managerial Accounting	3
BSLW	264	Legal, Ethical and Global Environment of Business	3
FINC	321	Fundamentals of Finance	3
INFO	270	Statistics for Business	3
INFO	371	Management Information Systems	3
INFO	375	Operations Analysis	3
MGMT	231	Management Processes	3
MGMT	439	Business Policy	3
MKTG	240	Introduction to Marketing	3
MKTG	346	Introduction to International Business	3

Collateral Courses

MATH	114	Mathematics for Business II: Calculus	3
ECON	101	Principles of Economics: Macro	3
ECON	102	Principles of Economics: Micro	3
INFO	273	Introduction to Computers in Business	3

Accounting Concentration

Required Accounting Concentration Courses (18 s.h.)

ACCT	301	Intermediate Accounting I	3
ACCT	302	Intermediate Accounting II	3
ACCT	304	Contemporary Issues in Intermediate Accounting	3
ACCT	307	Cost Accounting	3
ACCT	401	Advanced Accounting	3

Business Electives within the Major (12 s.h.)

Select one from the following: (3 s.h.)

ACCT	306	Internal Auditing	3
ACCT	400	Auditing Theory and Practice	3

Select two from the following: (6 s.h.)

BSLW	265	Business Contracts Law	3
ACCT	305	Individual and Business Taxes	3
ACCT	309	Accounting Information Systems	3
ACCT	402	Accounting for Government and Not-For-Profit Entities	3
Select one from the following: (3 s.h.)			
FINC	322	Capital Budgeting Management	3
FINC	425	Working Capital Management	3

Note: In order to sit for the CPA examination in The State of New Jersey a candidate must have earned a minimum of 150 credit hours. The BS in Business Administration, concentration in Accounting, is designed to allow students to pursue careers in accounting, but is not sufficient to satisfy the 150 hour requirement. Montclair State's M.B.A. program with a concentration in Accounting more than meets the 150 credit hour requirement. Course offerings at the graduate level are designed to provide students with the discipline specific knowledge and technical information that appears on the CPA examination. Students completing the undergraduate program must apply and meet the minimum entry requirements for the M.B.A. Program.

Courses of Instruction

ACCT 201 FUNDAMENTALS OF FINANCIAL ACCOUNTING 3.0

This is an introductory course in financial accounting from a user's perspective. The theoretical foundation and basic accounting terminology are addressed. The basic financial statements consisting of the balance sheet, income statement, statement of stockholder's equity and the statement of cash flows are presented and discussed. The course should enable students to critically analyze accounting information from an investor's or creditor's perspective.

ACCT 202 FUNDAMENTALS OF MANAGERIAL ACCOUNTING 3.0

This course introduces basic concepts of management accounting including cost classifications, product costing, cost-volume profit analysis, operating budgeting, standards and performance evaluation. The course will illustrate the use of accounting information for internal decision-making purposes.

Prerequisite: ACCT 201.

ACCT 301 INTERMEDIATE ACCOUNTING I 3.0

This course builds on material presented in Fundamental of Financial Accounting. Students acquire an improved understanding of the composition and significance of various segments of income statements and balance sheet, particularly related to current assets and various income statement revenue and expense items leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate financial statements

Prerequisite: ACCT 202, Business Administration majors only.

ACCT 302 INTERMEDIATE ACCOUNTING II 3.0

Continuation of Intermediate Accounting I. Students acquire an improved understanding of the composition and significance of various segments of the income statement and the balance sheet, particularly non-current assets, liabilities and owners' equity leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate accounting.

Prerequisite: ACCT 301, Business Administration majors only.

ACCT 304 CONTEMPORARY ISSUES IN INTERMEDIATE ACCOUNTING 3.0

This course provides an in-depth discussion and analysis of traditional intermediate financial accounting topics as well as recent developments in accounting valuation and reporting practices. The course builds on topics discussed in Intermediate Accounting I and II leading to an improved understanding of the preparation of various aspects of the financial statements as well as enhancement of their ability to critically evaluate financial reporting. Meets the University Writing Requirement for BAAC majors.

Prerequisite: ACCT 302, Business Administration majors only. With departmental approval, ACCT 302 may be taken concurrently.

ACCT 305
INDIVIDUAL AND BUSINESS TAXES 3.0
The purpose of this course is to introduce students to a broad range of tax concepts and types of taxpayers to emphasize the role of taxation in the business decision-making process. Coverage includes on a broad basis, personal and corporate taxation.
Prerequisite: ACCT 202.

ACCT 306
INTERNAL AUDITING 3.0
This course reviews the internal auditing process. Emphasis is placed on the operational auditing as part of the internal auditing function, while interrelating the financial dimension into the total auditing process.
Prerequisite: ACCT 301 and 307, Business Administration majors only.

ACCT 307
COST ACCOUNTING 3.0
This course examines the development of theory, concepts and practices of providing cost information for use within the organization. Topics discussed include cost concepts, behavior and estimation, various product costing methods, cost allocation, linear programming, inventory costing and management, quality and time as competitive weapons as well as transfer pricing.
Prerequisite: ACCT 202.

ACCT 309
ACCOUNTING INFORMATION SYSTEMS 3.0
Accounting information system development will be studied with emphasis on systems analysis and design, form design, internal controls and proper documentation. The course will expand on several typical AIS application systems including the revenue cycle, the procurement cycle and others. May be repeated once for a total of six credits.
Prerequisite: ACCT 301 and INFO 273; Business Administration majors only.

ACCT 400
AUDITING THEORY AND PRACTICE 3.0
The focus of this course is on various types of audits performed by an accountant in public practice. Specifically the requirements for audits, compilations, reviews and other types of engagements are addressed. The role of the auditor and related professional responsibilities are discussed. The content of this course is structured for individuals who wish to enter the public accounting profession. May be repeated once for a total of six credits.
Prerequisites: ACCT 302; Business Administration majors only.

ACCT 401
ADVANCED ACCOUNTING 3.0
Advanced Accounting is an upper level course in the undergraduate accounting curriculum. It is an in-depth study of accounting problems for affiliated business enterprises and multinational corporations. It deals with business combinations of two or more business entities. It involves combination and consolidation of financial statements for multi-affiliated corporations. It concerns intercompany transactions between parent and subsidiary companies. The aim is to measure the operating results and financial position for these complex operations. The course further investigates the accounting problems associated with foreign transactions, translation of foreign currencies and hedging activities of an international business enterprise. A high level of knowledge and sophistication in accounting techniques is required for understanding the course material. Relevant pronouncements of the authoritative accounting profession are greatly emphasized.
Prerequisite: ACCT 302, Business Administration majors only.
Corequisite: ACCT 304.

ACCT 402
ACCOUNTING FOR GOVERNMENT AND NOT-FOR-PROFIT ENTITIES 3.0
This is an upper-level accounting course dealing with Government and Not-for-Profit Accounting Systems. It focuses on the principles in the measurement of assets, liabilities, fund balance, revenue and expenditure for a governmental unit or not-for-profit entity. May be repeated once for a maximum of six credits.
Prerequisites: ACCT 302; Business Administration majors only.

BSLW 264
LEGAL, ETHICAL AND GLOBAL ENVIRONMENT OF BUSINESS 3.0
This course focuses on the interrelationship of social policies, the legal system, and global business practices in society, with emphasis on the rapidly changing business-legal environment. The relationships among governmental, ethical, social, and business issues will also be examined.

BSLW 265
BUSINESS CONTRACT LAW 3.0
This course focuses on the law of contracts, E-contracts, domestic and international sales and lease contracts, negotiable instruments, creditors' rights, bankruptcy and business organizations. This course expands on principles presented in BSLW 264. May be repeated once for a maximum of six credits.
Prerequisites: BSLW 264.

BSLW 400
INTERNATIONAL BUSINESS LAW 3.0
A study of international business law covering such areas as: (1) function and importance of international public law, (2) the role of international organizations and private dispute settlement procedures, (3) sales transactions in international law, and (4) the regulation of the international market and the principles of international trade including the law of foreign licensing and investment.
Prerequisite: BSLW 264.

ANTHROPOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Rhoda Halperin

All peoples and all aspects of human life are the subject of anthropology. The discipline stresses the study of nonwestern cultures, provides insights from these studies towards understanding the world we live in; and encourages responsibility by applying the results to problems in our rapidly changing world. The five basic fields are represented in the department: cultural anthropology, archaeology, physical anthropology, anthropological linguistics and applied anthropology. A bachelor of arts anthropology major and an anthropology minor are offered.

ANTHROPOLOGY MAJOR

The general anthropology major, for which a B.A. degree is awarded, prepares students for advanced work that can lead to college teaching, museum curating work, and/or research, as well as careers in non-academic settings. For students interested in a strong liberal arts background, the general major is an excellent program which can be adapted to varied professional and career goals. An internship provides opportunities for students to test their knowledge in actual work settings. Additionally, the program can be adapted to meet certification requirements for teaching social studies in New Jersey secondary schools.

Semester Hours

Required Courses 21

ANTH 100 Cultural Anthropology	3
ANTH 101 Physical Anthropology	3
ANTH 102 Anthropological Linguistics	3
ANTH 103 Prehistoric Archaeology	3
ANTH 201 Contemporary Practical Anthropology	3
ANTH 300 Methods in Anthropological Research and Practice	3
ANTH 401 Seminar in Anthropological Theory	3

Cross Cultural Electives 9

ANTH 110 Anthropology of Multicultural America	3
ANTH 115 Cultures of the Middle East	3
ANTH 120 Native North Americans	3
ANTH 140 Nonwestern Contributions to the Western World	3
ANTH 150 Native Latin Americans	3
ANTH 170 Peoples of Africa	3
ANTH 220 American Folk Culture	3
ANTH 270 Archaeology of Ancient Middle America	3

Theory and Methods Electives 9

ANTH 210 Urban Anthropology	3
ANTH 230 Anthropology of Conflict and Violence	3
ANTH 240 Human Variation	3
ANTH 330 Anthropology of Food and Nutrition	3
ANTH 340 Anthropology of Work	3
ANTH 350 Anthropology of Aging and the Aged	3
ANTH 360 Cultural Ecology	3
ANTH 370 Experimental Archaeology	3
ANTH 380 Anthropology of Women	3
ANTH 405 Psychological Anthropology	3
ANTH 414 Selected Issues in Anthropology	3
ANTH 425 Anthropology of Religion	3
ANTH 440 Medical Anthropology	3
ANTH 460 Field Methods: Visual Anthropology	3
ANTH 470 Archaeological Field Methods	3-6
ANTH 480 Independent Research in Anthropology	3

Internship 3-6

The internship is over and beyond the minimum 39 semester hours required by the major.

ANTH 490 Internship in Anthropology	3-6
---	-----

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOS 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

ANTHROPOLOGY MINOR

Semester Hours

Required Course 3

ANTH 100 Cultural Anthropology	3
--------------------------------------	---

Electives 15

ANTH 101 Physical Anthropology	3
ANTH 102 Anthropological Linguistics	3
ANTH 103 Prehistoric Archaeology	3
ANTH 110 Anthropology of Multicultural America	3
ANTH 115 Cultures of the Middle East	3
ANTH 120 Native North Americans	3
ANTH 130 Cultures of Southeast Asia	3
ANTH 140 Nonwestern Contributions to the Western World	3
ANTH 150 Native Latin Americans	3
ANTH 170 Peoples of Africa	3
ANTH 201 Contemporary Practical Anthropology	3
ANTH 210 Urban Anthropology	3
ANTH 220 American Folk Culture	3
ANTH 230 Anthropology of Conflict and Violence	3
ANTH 240 Human Variation	3
ANTH 270 Archaeology of Ancient Middle America	3
ANTH 300 Methods in Anthropological Research and Practice	3
ANTH 330 Anthropology of Food and Nutrition	3
ANTH 340 Anthropology of Work	3
ANTH 350 Anthropology of Aging and the Aged	3
ANTH 360 Cultural Ecology	3
ANTH 370 Experimental Archaeology	3
ANTH 380 Anthropology of Women	3
ANTH 401 Seminar in Anthropological Theory	3
ANTH 405 Psychological Anthropology	3
ANTH 425 Anthropology of Religion	3
ANTH 430 Field Methods in Linguistics	3
ANTH 440 Medical Anthropology	3
ANTH 460 Field Methods: Visual Anthropology	3
ANTH 470 Archaeological Field Methods	3

Minors may participate in ANTH 490 Internship in Anthropology, with the consent of the department and program coordinator. The internship may not count towards the 15 semester hours of electives required of the minor and is over and beyond the minimum 18 s. h. required by the minor.

Courses of Instruction

- ANTH 100**
CULTURAL ANTHROPOLOGY 3.0
Introduction to the basic concepts, goals, and research strategies of anthropology, the nature of culture, its role in human experience, and its universality. Presentation of cross-cultural examples and conceptual frameworks for understanding and explaining cultural diversity. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. Meets the Multicultural Awareness Requirement.
- ANTH 101**
PHYSICAL ANTHROPOLOGY 3.0
The biological basis of human evolution including surveys of human paleontology, primatology and human races. The relationship of culture to human development; lectures, field trips and the use of fossil and audio-visual materials. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science.
Prerequisite: Special fee.
- ANTH 102**
ANTHROPOLOGICAL LINGUISTICS 3.0
Different linguistic systems will be analyzed through the use of informants (speakers) of non-Indo-European languages, and through published data from a variety of Amerindian and African languages. The relationship of linguistic structure and theory to cultural systems will be emphasized in individual student field experience and in readings and lectures. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. Meets the University Writing Requirement for ANED, ANTH, PRAN majors.
- ANTH 103**
PREHISTORIC ARCHAEOLOGY 3.0
The development, method and theory of anthropological archaeology, analysis and interpretation of prehistoric cultural data by means of audio-visual, field and participatory involvement. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.
- ANTH 110**
ANTHROPOLOGY OF MULTICULTURAL AMERICA 3.0
Analysis of the diversity of racial, ethnic, religious, occupational, and other subcultures and subgroups within the U.S. Emphasis on the character of American culture. Subpopulations are examined in relationship to each other and to the mainstream culture. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- ANTH 115**
CULTURES OF THE MIDDLE EAST 3.0
The Middle East culture area in anthropological perspective. Emphasis is placed on the nature of different interlocking cultural systems which are adaptations to environmental stresses in the Middle East. The concepts of culture and society will be explored in the context of course materials. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 120**
NATIVE NORTH AMERICANS 3.0
Amerindian cultures north of Mexico; representative tribes, their world views, and their adaptations to the environment, each other and European contact. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 140**
NONWESTERN CONTRIBUTIONS TO THE WESTERN WORLD 3.0
Survey of scientific, medical, artistic, and other contributions from cultures outside the mainstream of European, North American, and Judeo-Christian history that influence our lives in the West today. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 150**
NATIVE LATIN AMERICANS 3.0
Study of indigenous peoples of Latin America. Surveys earliest evidence of human occupation of Middle and South America and the Caribbean; diverse origins of food production; intellectual achievements; political organization; material contributions to world culture; and aspects of early European contact and conquest. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 170**
PEOPLES OF AFRICA 3.0
Diversity in the lifestyles of representative African cultures; prehistory, culture change, and contemporary problems in sub-Saharan Africa. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- ANTH 201**
CONTEMPORARY PRACTICAL ANTHROPOLOGY 3.0
The course emphasizes the uses of anthropology in contemporary societies by stressing the skills and knowledge needed for the development of practical solutions to current problems. Special attention is placed on: policy decision-making, community development, cultural resource management, advocacy and social impact assessment. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- ANTH 210**
URBAN ANTHROPOLOGY 3.0
The dynamics of acculturation; relationships between urban subcultures and the broader urban community; values, personality, behaviors and other aspects of the adjustment of people whose lifestyle sets them apart from the dominant society. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- ANTH 220**
AMERICAN FOLK CULTURE 3.0
This course introduces students to the anthropological literature concerning American oral (folklore) and material (folklife) folk culture. Students are exposed to the different folklore traditions as well as analytical theory concerning them, in the first half of the course. The second half is devoted to the presentation and analysis of material folk culture. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- ANTH 230**
ANTHROPOLOGY OF CONFLICT AND VIOLENCE 3.0
Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- ANTH 240**
HUMAN VARIATION 3.0
The study of the origins, adaptations and evolution of races from a physical anthropology perspective. Misconceptions about race, intelligence and racism as well as theories and explanations of human variations will be covered. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.
- ANTH 270**
ARCHAEOLOGY OF ANCIENT MIDDLE AMERICA 3.0
The archaeology of ancient cultures of Middle America. Consists of two major units (1) northern Mesoamerica, the Gulf Coast, Oaxaca and Central Mexican Aztecs (2) ancient Maya of Mexico and Central America.

- ANTH 300**
METHODS IN ANTHROPOLOGICAL RESEARCH AND PRACTICE 3.0
 An overview of nonstatistical research methods commonly used in anthropology, including participant observation, interviewing, questionnaire design, cultural domain analysis, ethnographic decision tree analysis, and network analysis. Emphasis on practical experience in applying these methods to research and applied problems.
- ANTH 330**
THE ANTHROPOLOGY OF FOOD AND NUTRITION 3.0
 Cultural effects on diet, nutritional status, disease, and ecology; anthropological contributions to the study of food and food habits.
- ANTH 340**
ANTHROPOLOGY OF WORK 3.0
 This course provides students with an understanding of human work across cultural space and historical time. Various subsistence strategies (e.g. foraging, pastoralism, agriculture and industrial) are covered. Connections among forms of work, the social relations of work, the meanings of work, and social stratification (e.g. class, gender, race/ethnicity, age) are discussed.
- ANTH 360**
CULTURAL ECOLOGY 3.0
 The relationships between culture and the bio-physical environment, as well as the cultural environment. The emphasis will be on primitive and non-Western cultures.
- ANTH 370**
EXPERIMENTAL ARCHAEOLOGY 3.0
 The course will cover the manufacture, use, preservation, analysis and cataloging of prehistoric artifacts made of stone, bone, and wood.
Prerequisites: ANTH 103.
- ANTH 380**
ANTHROPOLOGY OF WOMEN 3.0
 The anthropological literature on women and women's issues in our own and pre-industrial, non-capitalist societies. The connections between environment technology and gender roles are investigated, and the kind of power women have in different societies over their own lives and those of others is assessed. The place of women in each society's symbolic system is also analyzed. Meets the Multicultural Awareness Requirement.
- ANTH 401**
SEMINAR IN ANTHROPOLOGICAL THEORY 3.0
 The development of anthropological theory during the past 100 years. Various subdisciplines of cultural and social anthropology are explored and applied to similar bodies of data.
- ANTH 425**
ANTHROPOLOGY OF RELIGION 3.0
 Patterns of religious beliefs and behaviors which relate to sacred, supernatural entities. Origin theories, divination, witchcraft, mythology and the relationship of religious movements to other aspects of culture.
- ANTH 440**
MEDICAL ANTHROPOLOGY 3.0
 Examination of cross-cultural concepts of illness, health and medical care. Ecological and historical aspects of diseases in human evolution are also studied.
Prerequisite: ANTH 101.
- ANTH 460**
FIELD METHODS: VISUAL ANTHROPOLOGY 3.0
 This course is designed to provide students with opportunities to explore potential uses of photography in anthropological research and practice. Each student is guided in the development of a project which demonstrates the significance of recording and interpreting visual data in the study of selected aspects of culture, social interaction patterns, and/or individual behavior. As the focus of this experience is on the collection and interpretation of visual data, not the technical aspects of photography, only basic skills and knowledge about effective camera usage are required.
Prerequisite: Open to non-majors with the instructor's permission.
- ANTH 470**
ARCHAEOLOGICAL FIELD METHODS 3.0-6.0
 Provides practical field experience in the various aspects of survey and excavation techniques. A specific area will be surveyed and a site will be excavated. May be repeated for credit.
Prerequisite: Departmental approval.
- ANTH 480**
INDEPENDENT RESEARCH IN ANTHROPOLOGY 3.0-6.0
 Preparation of a paper on a major theoretical issue in anthropology. A tutorial without formal class meetings.
Prerequisite: Departmental approval.
- ANTH 490**
INTERNSHIP IN ANTHROPOLOGY 3.0-6.0
 According to interest and preparation, students are placed in cooperating agencies in order to provide an opportunity to test their acquired theoretical knowledge and to gain disciplined practice in their profession. Under faculty guidance and agency supervision, students are to engage in anthropological fieldwork by conducting research and/or special projects.
Prerequisite: Departmental approval.
- PRAN 420**
PRE-APPRENTICESHIP IN ANTHROPOLOGY I 3.0
 Identification of an applied research problem suitable for the apprenticeship, formulation of a set of research objectives, and review of the appropriate literature.
Prerequisite: ANTH 300.
- PRAN 430**
PRE-APPRENTICESHIP IN ANTHROPOLOGY II 3.0
 Building on their knowledge of applied anthropology topics, selection of a research topic, and literature review in PRAN 420, this course provides students with instruction regarding the process of research site selection and project design. Students identify potential organizations for eventual apprenticeship placement. Emphasis is placed on the systematic gathering and analysis of information about both public and private sector organizations in the greater New York/New Jersey metropolitan area. This includes initial organization visitations relative to selecting an apprenticeship setting, the identification of an applied research problem, developing an apprenticeship contract, and preliminary research project design.
Prerequisite: PRAN 420.



ART AND DESIGN

SCHOOL OF THE ARTS

Chairperson: Daryl Joseph Moore

The department of Art and Design offers a Bachelor of Arts (B.A.) with concentrations in Studio, Art History and Fine Arts Education as well as a Bachelor of Fine Arts (B.F.A.) degree and a concentration in Industrial Design.

The B.F.A. degree program is a pre-professional program with specialization in ceramics, drawing, fibers and textiles, film and video, graphic design, illustration, jewelry, multi-media, painting, papermaking, photography, printmaking and sculpture. Courses in each specialization give intensive pre-professional experience preparing students for professional involvement in the visual arts.

The B.A. is a liberal arts degree with three concentrations: Studio, Art History and Art Education. The program in Studio is for students interested in liberal arts with a rich studio experience specializing in the same areas as those listed above in the B.F.A. program. The Art History program is for students interested in the historical development of art. The program in Fine Arts Education leads to certification to teach in public schools and is intended for students who want to teach art in schools, museums and community centers.

All students, except those interested in the Art History Program, must successfully complete a portfolio review for admission, in addition to meeting the Montclair State requirements. B.F.A. candidates must have an additional portfolio review once accepted to the Department.

Fine Arts Studio Major (BFA)

A pre-professional program for students who seek preparation in the visual arts.

Required Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I (May substitute ARIL 220 Illustration, Beginning I for graphic design students.)	3
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARFD 260 Color Studies I	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3
Major Studio Courses	15
Elected Studio Courses*	30
Art History Electives	6
ARGS 280 Art Forum	3
ARHS 462 Senior Seminar	3
ARST 400 Major Studio Project I (B.F.A.)	3
ARST 410 Major Studio Project II (B.F.A.)	10

*Up to 12 semester hours of electives other than studio may be applied if the student receives the prior approval of the B.F.A. Coordinator.

Industrial Design Concentration

Required Core Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I	3
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARFD 260 Color Studies I	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3

Additional Art History Courses

ARHS ____ Art History Elective	3
ARHS 370 History of Industrial Design	3

Additional Studio Requirements

Art Studio Courses:	
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I	3
ARGD 200 Graphic Design Beginning I	3

ARSC 200 Sculpture, Beginning I	3
ARPH 200 Photography I: A Contemporary Art Form	3
ARID 100 Visualization and Illustration Techniques for Industrial Designers	3

Additional Studio Courses

ARID 110 Industrial Design and Problem Solving	3
ARID 340 Model Making and Prototyping	3
ARID 360 Professional Practices in Industrial Design	3
ARID 210 Materials Processing Studio I	3
ARID 310 Materials Processing Studio II	3
ARID 220 Introduction to Computer Aided Solid Modeling Representation	3
ARID 221 Surface Modeling Techniques	3
ARID 350 Human Factors in Engineering	3
ARID 405 Advanced Techniques in Design Delineation	3

Industrial Design Major Studio Courses

ARID 200 Industrial Design Studio, Beginning	3
ARID 300 Industrial Design Studio, Intermediate	3
ARID 400 Industrial Design Studio, Advanced	3
ARID 410 Project Design Development I	3
ARID 411 Project Design Development II	3
COED 401 Cooperative Education Experience I (Industrial Design)	7

Fine Arts Major (BA)

Studio Concentration

A program for students who want studio experience as part of their liberal arts education.

Required Courses

	Semester Hours
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing Beginning I (May substitute ARIL 220 Illustration, Beginning I for graphic design students.)	3
ARFD 100 Design/Foundations of Visual Organizations I, 2D	3
ARFD 110 Design/Foundations of Visual Organizations II, 3D	3
ARFD 260 Color Studies I	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 451 Contemporary Art	3
Art History Electives	6

Select 6 semester hours from 2 of the following categories:

1. Ancient Art through Medieval
2. Renaissance through Baroque (15th through 18th centuries)
3. 19th or 20th Century
4. Non-Western

Electives (Departmental)

Select 15 semester hours after advisement by the department. Include 3 sequential courses in same area of specialization (e.g. Sculpture, Beginning I; Sculpture, Beginning II; Sculpture, Advanced).

Art History Concentration

A liberal arts program for students whose interest is in the study of the history and development of the art of humankind in all its variations from antiquity to the twentieth century.

Required Courses

	Semester Hours
A. Foundation Courses (15 semester hours):	
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARHS 200 Resources and Methods of Research in the Arts	3
B. Art History Courses (27 semester hours):	
1. Ancient Art History (select one course from the following):	3
ARHS 215 Ancient Art	3
ARHS 328 Survey of Greek Art	3
ARHS 485 Ancient Art in Italy: Etruscan and Roman Art	3
ARHS 455 Selected Problems in Art History (ancient topic only)	3

2. Medieval Art History (select one course from the following):	3
ARHS 322 Early Christian Byzantine Art	3
ARHS 323 Medieval Art	3
ARHS 332 Ancient Art of Europe	3
ARHS 455 Selected Problems in Art History (medieval topic only)	3
3. Renaissance Art History (select one course from the following):	3
ARHS 216 Renaissance Art in Italy: The Fifteenth Century	3
ARHS 324 Northern Renaissance Painting	3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century	3
ARHS 455 Selected Problems in Art History (renaissance topic only)	3
4. Baroque Art History (select one course from the following):	3
ARHS 325 Seventeenth and Eighteenth Century Art	3
ARHS 455 Selected Problems in Art History (17th or 18th century topic only)	3
5. 19th Century Art History (select one course from the following):	3
ARHS 459 Art of the Nineteenth Century	3
ARHS 460 Nineteenth Century American Architecture	3
ARHS 461 Nineteenth Century American Painting	3
ARHS 455 Selected Problems in Art History: 19th century topic only	3
6. 20th Century Art History (select one course from the following):	3
ARHS 331 Modern Art	3
ARHS 451 Contemporary Art	3
ARHS 469 Art of the Twentieth Century	3
ARHS 455 Selected Problems in Art History (20th century topic only)	3
7. Art History electives (select two courses from the following, except courses already taken to fulfill required courses under the above sections)	6
ARHM 340 Museum Practice	
ARHS 108 Women in Art	3
ARHS 215 Ancient Art	3
ARHS 216 Renaissance Art in Italy: The Fifteenth Century	3
ARHS 220 Art in Non-Western Societies	3
ARHS 230 History of the Print	3
ARHS 250 Modern Philosophies of Art	3
ARHS 275 Afro-American Art	3
ARHS 322 Early Christian Byzantine Art	3
ARHS 323 Medieval Art	3
ARHS 324 Northern Renaissance Painting	3
ARHS 325 Seventeenth and Eighteenth Century Art	3
ARHS 326 The Critical Approach	3
ARHS 327 Asian Art	3
ARHS 328 Survey of Greek Art	3
ARHS 329 American Art	3
ARHS 331 Modern Art	3
ARHS 332 Ancient Art of Europe	3
ARHS 450 Modern Architecture	3
ARHS 451 Contemporary Art	3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century	3
ARHS 454 Field Trips in Art History	3
ARHS 455 Selected Problems in Art History	3
ARHS 457 Pre-Colombian, Oceanic, and African Art	3
ARHS 458 African Art: Sub-Saharan	3
ARHS 459 Art of the Nineteenth Century	3
ARHS 460 Nineteenth Century American Architecture	3
ARHS 461 Nineteenth Century American Painting	3
ARHS 469 Art of the Twentieth Century	3
ARHS 477 History of Photography	3
ARHS 478 Art in Public Places	3
ARHS 483 Ancient Art in Italy: Etruscan and Roman Art	3
8. Senior Thesis Course	3
ARHS 484 Independent Study: Senior Thesis (B.A. in Art History)	

C. Required Collateral Courses (24 semester hours):

1. GNHU 285 Mythology (fulfills GER World Lit)	3
2. Foreign Language	12
Two years in one of the following: French, German, Italian, or Latin (fulfills GER language requirement and J elective). Students who begin their foreign language requirement beyond the beginning level are still required to take a total of 12 semester hours in a foreign language.	
3. Studio Elective (select 3 semester hours from the following):	
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I	3
ARDW 200 Drawing, Beginning I	3
ARDW 201 Life Drawing, Beginning I	3
ARFD 260 Color Studies I	3
ARFI 200 Fibers and Fabrics, Beginning I	3
ARFI 201 Textile Design, Introduction	3
ARFI 281 Global Textiles	3
ARFM 200 Film Making, Beginning I	3
ARFV 220 Video with Computer Multi-Media, Introduction A	3

ARIL 220 Illustration, Beginning I	3
ARIL 260 Introduction to Cartooning	3
ARIL 261 Humor/Satirical Illustration for Publication	3
ARMJ 200 Metalwork and Jewelry, Beginning I	3
ARPA 200 Painting, Beginning I	3
ARPA 260 Figurative Painting	3
ARPG 260 Introduction to Papermaking	3
ARPH 200 Photography, Beginning I, Contemporary Art Form	3
ARPM 200 Printmaking, Beginning I	3
ARPM 260 Etching and Relief Printing	3
ARPM 261 Lithography	3
ARPM 262 Screen Printing	3
ARSC 200 Sculpture, Beginning I	3
ARSC 210 Sculpture, Beginning II	3
4. Externship	
ARHM 460 Externship in Museum Studies	3
5. Religion	
RELG 200 Old Testament: Genesis - Joshua	
OR	
RELG 204 New Testament Jesus and the Gospels	3

Free Electives (Recommendations listed below):

1. Second Foreign Language - Students in art history should be aware that most graduate schools require a reading knowledge of French and German before admission. Latin and Italian or Spanish, depending on the student's area of study, may also be required. It is strongly recommended that students achieve a reading level such that they can do an accurate translation from French or German with a dictionary in a reasonable amount of time.
2. PHIL 260 Philosophies of Art
3. Studio Courses
4. Archeology elective
5. ARGS 280 Art Forum
6. Theatre or Music History

Students are strongly urged to take as many courses as possible in the history, literature, religion, and philosophy of their area of interest (that is, Ancient, Medieval, Renaissance, 17th-18th Century, Modern, or the art of a particular region). Those interested in Ancient Art are encouraged to complete a Minor in Archeology (18 semester hours) and to study Latin and ancient Greek. Those interested in Medieval, renaissance, and Baroque art are encouraged to take both Old Testament and New Testament courses as well as Latin.

Fine Arts Education Concentration

A degree program for students who wish to teach art in various settings including museums, community centers, and schools. Certification is for grades kindergarten through 12.

Required Courses

	Semester Hours
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I	3
ARDW 200 Drawing, Beginning I	
OR	
ARDW 201 Life Drawing, Beginning I	3
ARED 301 Foundations of Methods and Curriculum in Art Education I: K-12	3
ARED 401 Foundations of Methods and Curriculum in Art Education II: K-12	3
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARFD 110 Design/Foundations of Visual Organization II, 3D	3
ARFD 260 Color Studies I	3
ARFI 200 Fibers and Fabrics, Beginning I	3
ARGD 200 Graphic Design Beginning I	3
ARHS 105 Art in Western Civilization: Ancient and Medieval	3
ARHS 106 Art in Western Civilization: Renaissance to Modern	3
ARMJ 200 Metalwork and Jewelry Beginning I	3
ARPA 200 Painting, Beginning I	3
ARPF 220 Theatre Arts I	3
ARPH 200 Photography I: A Contemporary Art Form	3
ARPM 200 Printmaking, Beginning I	3
ARSC 200 Sculpture, Beginning I	3

Elective (Departmental) 2

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Courses of Instruction

ARAN 190

INTRODUCTION TO THE VISUAL ARTS 3.0
Introduction to the ways in which people have expressed themselves in the visual arts including painting, sculpture, crafts, architecture, film, photography, and graphic design explored through studio projects, reading and gallery and museum visits. The focus will be the nature and experience of art across many cultures and its central role in our daily lives. For non-majors. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: For non majors. Special fee.

ARCE 200

CERAMICS: POTTERY AND SCULPTURE, BEGINNING I 3.0
Introduction to the development of works in clay, studio, forming methods, clay compositions, glazing and firing, design/aesthetic/stylistic concerns, historical and contemporary ceramics. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.

ARCE 210

CERAMICS: POTTERY AND SCULPTURE, BEGINNING II 3.0
Continuation of ARCE 200. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: ARCE 200. Special fee.

ARCE 300

CERAMICS: POTTERY AND SCULPTURE, INTERMEDIATE 3.0
Continuation of ARCE 210.
Prerequisite: ARCE 210. Special fee.

ARCE 400

CERAMICS: POTTERY AND SCULPTURE, ADVANCED 3.0
Continuation of ARCE 300. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval. Special fee.

ARCE 450

INDEPENDENT STUDY IN CERAMICS: POTTERY AND SCULPTURE 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval. Special fee.

ARDW 200

DRAWING, BEGINNING I 3.0
Basic elements of line, tone, composition, and perspective; exploration of traditional and experimental media and materials; and investigation of still life, landscape, life drawing, portraiture, and abstraction. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.

ARDW 201

LIFE DRAWING, BEGINNING I 3.0
Structure and proportions of the human figure. Study of skeletal and muscular structure, the figure at rest and in motion, isolated and in a setting. Expressive, as well as, analytical approach to drawing. Exploration of traditional, as well as, current techniques and media. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.

ARDW 210

DRAWING, BEGINNING II 3.0
Continuation of ARDW 200. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: ARDW 200. Special fee.

ARDW 211

LIFE DRAWING, BEGINNING II 3.0
Continuation of ARDW 201. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: ARDW 201. Special fee.

ARDW 300

DRAWING, INTERMEDIATE 3.0
Continuation of ARDW 210.
Prerequisite: ARDW 210. Special fee.

ARDW 301

LIFE DRAWING, INTERMEDIATE 3.0
Continuation of ARDW 211.
Prerequisite: ARDW 211. Special fee.

ARDW 400

DRAWING, ADVANCED 3.0
Continuation of ARDW 300. May be repeated for a maximum of nine credits.
Prerequisite: ARDW 300. Special fee.

ARDW 401

LIFE DRAWING, ADVANCED 3.0
Continuation of ARDW 301. May be repeated for a maximum of nine credits.
Prerequisite: ARDW 301. Special fee.

ARDW 450

INDEPENDENT STUDY IN DRAWING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of 9 credits.
Prerequisite: Departmental approval. Special fee.

ARDW 451

INDEPENDENT STUDY IN LIFE DRAWING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval. Special fee.

ARED 301

FOUNDATIONS OF METHODS AND CURRICULUM IN ART EDUCATION I: K-12 3.0
Philosophical and theoretical basis of fine arts education; the sources of creativity, concepts of visual literacy and the role of art in individual human experience and in society; organization and presentation of experience, curriculum construction and application of theory to the school, museum, community center, adult education and other teaching situations. For fine arts education majors; this course must be taken simultaneously with *Teacher, School and Society* in the spring of the junior year.
Prerequisite: PSYC 200; Fine Arts Education majors only. Special fee.

ARED 401

FOUNDATION OF METHODS AND CURRICULUM IN ART EDUCATION II: K-12 3.0
Organization and presentation of art experiences for a wide variety of teaching situations, including K-12, adult classes, museum settings and community centers. Exploration of media, understanding their expressive range, proficiency in their use, and adaptation to various teaching goals. Integration of theory and media.
Prerequisite: ARED 301; Fine Arts Education majors only. Special fee.

ARFD 100

DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION I, 2D 3.0
Required for art majors. This core course deals with the foundations of visual organization. It is structured to develop the student's vocabulary, both visual and verbal through studio experience, lectures and discussions. The student's perception is heightened by emphasis on light, line, color, plane, texture, form, shape, time as basic elements in all art forms. Two or three dimensional concepts are introduced through a variety of materials and processes. Reading assignments, museum and gallery visits are required.
Prerequisite: Special fee.

ARFD 110

DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION II, 3D 3.0
Continuation of ARFD 100. Required of all art majors.
Prerequisite: ARFD 100. Special fee.

ARFD 260		
COLOR STUDIES I	3.0	
Color and its interaction through problems in color relatedness, systems and theories. Color usage, the development of skills in paint application, use of colored papers and techniques of presentation. Lectures, discussions, reading assignments, museum and gallery visits.		
<i>Prerequisite: ARFD 100. Special fee.</i>		
ARFD 360		
COLOR STUDIES II	3.0	
Continuation of ARFD 260.		
<i>Prerequisite: ARFD 260. Special fee.</i>		
ARFD 363		
INTRODUCTION TO COMPUTER GRAPHICS	3.0	
Learning how the Macintosh works, and how it is beneficial to the graphic designer and artist. Introduction to the programs Microsoft Word, Adobe Illustrator, Adobe Photoshop, and QuarkXPress. Using the scanner to input line art, gray-scale and color images. Black and white, and color output.		
<i>Prerequisite: Special fee.</i>		
ARFI 200		
FIBERS AND FABRICS, BEGINNING I	3.0	
Techniques employed by fiber artists and the textile industry; on-loom and off-loom weaving, spinning and vegetable dyeing, and fabric and fiber techniques in contemporary work. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFI 201		
TEXTILE DESIGN, INTRODUCTION	3.0	
Pattern rendering and putting designs into repeat for the textile industry. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFI 210		
FIBERS AND FABRICS, BEGINNING II	3.0	
One or more areas of endeavor selected for exploration. Emphasizes research into the various techniques and mastery of the methods. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARFI 200. Special fee.</i>		
ARFI 222		
SURFACE DESIGN, INTRODUCTION A	3.0	
Selected printing, dyeing and fabric manipulation techniques. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFI 232		
SURFACE DESIGN, INTRODUCTION B	3.0	
Continuation of ARFI 222. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARFI 222. Special fee.</i>		
ARFI 300		
FIBERS AND FABRICS, INTERMEDIATE	3.0	
Further exploration of a technique or techniques selected by the student. A research paper on the historical implications of a technique and a final project are required.		
<i>Prerequisite: ARFI 210. Special fee.</i>		
ARFI 301		
TEXTILE DESIGN, ADVANCED	3.0	
Advanced course in designing prints for the textile industry. Primary emphasis is the further development of a personal aesthetic appropriate to industry needs as well as that of the student-designer. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFI 201. Special fee.</i>		
ARFI 322		
SURFACE DESIGN, INTERMEDIATE	3.0	
Continuation of ARFI 232.		
<i>Prerequisite: ARFI 232. Special fee.</i>		
ARFI 400		
FIBERS AND FABRICS, ADVANCED	3.0	
Exploration of area or areas of textile techniques selected by the student. An exhibit of work done during the semester is to be planned and hung by the student. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFI 300. Special fee.</i>		
ARFI 422		
SURFACE DESIGN, ADVANCED	3.0	
Continuation of ARFI 322. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFI 322. Special fee.</i>		
ARFI 451		
INDEPENDENT STUDY IN TEXTILES	3.0	
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARFM 200		
FILM MAKING, BEGINNING I	3.0	
Basic elements of super 8 film production: script, camera, lighting, sound, editing, animation. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFM 210		
FILM MAKING BEGINNING II	3.0	
Basic elements of 16 mm film production. Script, camera, lighting, sound, editing, animation. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARFM 200. Special fee.</i>		
ARFM 280		
FILM AS ART: HISTORICAL AND CONTEMPORARY	3.0	
The development of the motion picture as an art form from its earliest stages to the present; the technical, social, economic, cultural and esthetic factors. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.		
ARFM 300		
FILM MAKING, INTERMEDIATE	3.0	
Continuation of ARFM 210.		
<i>Prerequisite: ARFM 210. Special fee.</i>		
ARFM 400		
FILM MAKING, ADVANCED	3.0	
Continuation of ARFM 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARFM 300. Special fee.</i>		
ARFM 450		
INDEPENDENT STUDY IN FILM	3.0	
Topics selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval.</i>		
ARFV 220		
VIDEO WITH COMPUTER MULTI-MEDIA, INTRODUCTION A	3.0	
Students are introduced to criteria for aesthetic decision-making by producing video projects that record the real world, persuade or move viewers to action, express the student's personal visions and illustrate aesthetic values. Students are given skills of video production and its relationship to visual aesthetics. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARFV 230		
VIDEO WITH COMPUTER MULTI-MEDIA, INTRODUCTION B	3.0	
Continuation of ARFV 220.		
<i>Prerequisite: ARFV 220. Special fee.</i>		
ARFV 320		
VIDEO WITH COMPUTER MULTI-MEDIA, INTERMEDIATE	3.0	
Continuation of ARFV 230.		
<i>Prerequisite: ARFV 230. Special fee.</i>		
ARFV 420		
VIDEO COMPUTER MULTI-MEDIA, ADVANCED	3.0	
Continuation of ARFV 320. May be repeated for a maximum of nine credits.		
<i>Prerequisites: ARFV 320. Special fee.</i>		

- ARGD 200**
GRAPHIC DESIGN, BEGINNING I 3.0
 Introduction to graphic design principles. This course is involved in taking basic design information and translating it into a graphic design context, with main emphasis on communicating original ideas in a creative manner. Projects deal with graphic design principles, i.e., visual communication of information, composition, color, type, illustration, materials and methods of graphic design. Introduction to critique and presentation, along with the principle of the designer/client relationship.
Prerequisites: ARFD 100. Special fee.
- ARGD 210**
GRAPHIC DESIGN, BEGINNING II 3.0
 Focus on the various disciplines within graphic design: print (flat and folding), package, product and environmental graphics. Further exploration of type-faces and use of typography as well as advanced methods of comping and presentation. Emphasis on hand comping and computer typesetting. Beginning development of student portfolio. Overview of the history of design.
Prerequisite: ARGD 200. Special fee.
- ARGD 221**
TYPOGRAPHY I 3.0
 Typographic design including headline, body copy design and the fine points of kerning, leading column width, copy color, mixing of faces and use of negative space in typographic composition. Hand and computer comping of type. Current trends in typography.
Prerequisites: ARGD 210. Special fee.
- ARGD 300**
GRAPHIC DESIGN INTERMEDIATE 3.0
 Layout and mechanicals. Printing methods and proper preparation of mechanicals and computer files for pre-press and printing. Advanced comping methods (computer, printing papers, marker comping). Continued development of portfolio of student work.
Prerequisites: ARGD 210. Special fee.
- ARGD 400**
GRAPHIC DESIGN, ADVANCED I 3.0
 Class emphasis is on reinforcing the design process, along with learning the business of design, i.e., bidding, contracts, scheduling and client presentation. In-class work time is divided between studio and computer lab. Student will develop a portfolio of their work for final review.
Prerequisite: ARGD 300. Special fee.
- ARGD 410**
INTRODUCTION TO INTERACTIVE MULTIMEDIA DESIGN AND DEVELOPMENT 3.0
 This course will provide students with both a conceptual background and working knowledge necessary to produce a variety of interactive multimedia materials. The focus will be on the skills, techniques and creative components, including the integration of audio and video sources in preparing multimedia presentations. Instruction in the use of Microsoft Powerpoint, Macromedia Authorware and Macromedia Director, for creating multimedia pieces, will comprise the core of instruction and student work in this course.
- ARGD 422**
ADVANCED COMPUTER GRAPHICS 3.0
 Advanced problems in graphic design on the Macintosh computer. Emphasis will be place on utilizing the Macintosh for solving design problems. Advanced page layout and graphic programs will be explored.
Prerequisite: Special fee.
- ARGD 423**
ADVERTISING DESIGN 3.0
 The specific nature of advertising and its connection to graphic design. What is involved in creating an advertising campaign. How designers work with advertisers and copywriters. A brief history of advertising and advertising agencies.
Prerequisite: ARGD 300 or departmental approval.
- ARGD 424**
PUBLICATION DESIGN 3.0
 How to effectively design a publication so that it easily communicates the client's needs. Combining type, photography and illustration in a page layout. Variations and limitations encountered in designing a publication. Design systems used in creating publications.
Prerequisite: ARGD 300.
- ARGD 434**
PACKAGE DESIGN 3.0
 A survey of the state of the art in packaging. Course projects will be based on the consumer product industry. Graphic problems for three-dimensional objects and display. Package design comprehensive techniques for art director and client presentation. Grasping product essence and interpreting client needs and the demands of the marketplace.
Prerequisite: ARGD 300. Special fee.
- ARGD 460**
GRAPHIC DESIGN, ADVANCED II 3.0
 Designing in the real world: the business of visual problem solving. Creating proposals, schedules, fees. With successful completion of this course, the student will have created a resume and professional portfolio for use in the field.
Prerequisite: ARGD 400. Special fee.
- ARGS 260**
VISUAL ARTS WORKSHOP 1.0-12.0
 Selected studio topics which represent current concerns within the contemporary world of the visual arts. May be repeated for credit.
Prerequisite: Special fee.
- ARGS 280**
ART FORUM 3.0
 A series of lectures/presentations by artists, critics, museum directors, art historians; and visits to museums and galleries. Introduces students to the creative process, philosophies of art, and the role of art in life. May be repeated for a maximum of nine credits. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARGS 350**
INDEPENDENT STUDY 1.0-6.0
 Topics for investigation are selected with approval of the instructor. May be repeated for a maximum of twelve credits.
Prerequisite: Departmental approval. Special fee.
- ARGS 441**
EXTERNSHIP IN STUDIO 2.0-8.0
 Involvement beyond the campus in a museum, art institution, or industry or gallery, participation in inner city programs or study with an independent artist/craftsperson. Approval by supervising faculty, shall not exceed eight credit hours in total per semester. May be repeated for a maximum of twelve credits.
Prerequisite: Departmental approval.
- ARHM 340**
MUSEUM PRACTICE 3.0
 A study of museum techniques, much of it at museums in the metropolitan area with the participation of their staffs. Field trips and, if possible, brief apprenticeships.
Prerequisite: Special fee.
- ARHM 460**
EXTERNSHIP IN MUSEUM STUDIES 2.0-8.0
 Involvement beyond the campus in a museum, art institution, or gallery. Approval by a supervising faculty member required. May be repeated for credit. Total semester hours shall not exceed eight hours.
Prerequisite: Departmental approval. Special fee.
- ARHS 105**
ART IN WESTERN CIVILIZATION: ANCIENT AND MEDIEVAL 3.0
 The history of Western art and architecture from Prehistoric Europe through the Middle Ages. The course covers ancient Mesopotamia and Egypt, Greece and Rome, then Byzantine, Early Medieval, Romanesque, and Gothic art. Museum visits and extensive reading. Required for Fine Arts majors. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation. Meets the University Writing Requirement for FAAH, FAED, FASF, FASI, FAST majors.
Prerequisite: Special fee.

- ARHS 106
ART IN WESTERN CIVILIZATION: RENAISSANCE TO MODERN 3.0
The history of Western art and architecture from the fifteenth century to the present. Included are the arts of the Renaissance, Baroque, Rococo, Romantic, Impressionist and Modern periods. Museum visits and extensive reading. Required for Fine Arts majors. Meets Gen Ed 2002–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Meets the University Writing Requirement for FAAH, FAED, FASF, FASI, FAST majors.
Prerequisite: Special fee.
- ARHS 200
RESOURCES AND METHODS OF RESEARCH IN THE ARTS 3.0
Bibliographic and other scholarly resources; the special problems of scholarship and research.
Prerequisite: Special fee.
- ARHS 215
ANCIENT ART 3.0
The origins of art and the civilizations of the ancient world; Paleolithic man and the Sumerian, Hittite, Assyrian, Phoenician and Egyptian civilizations. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 216
RENAISSANCE ART IN ITALY: THE FIFTEENTH CENTURY 3.0
The formation of Renaissance painting, sculpture and architecture during the Quattrocento; Masaccio, Mantegna, Donatello, Brunelleschi, and Alberti emphasized.
Prerequisite: Special fee.
- ARHS 220
ART IN NON-WESTERN SOCIETIES 3.0
A consideration of the role of art in traditional non-Western societies. The course includes an introduction to the geographic setting, and an examination of the integration of art into society as a whole—the economics, social order, politics, history, religion and philosophy. The role art plays in social change and how it is affected by social change. Meets the Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 230
HISTORY OF THE PRINT 3.0
The principal types of prints from their beginnings to today. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 250
MODERN PHILOSOPHIES OF ART 3.0
The work of major writers about art in the nineteenth and twentieth centuries; the nature of the creative experience, the function of art in the life of the individual and of society, the nature of the creative process, the rise of new materials and institutions; the development of sentiments and attitudes affecting thinking in the field. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities.
Prerequisite: Special fee.
- ARHS 275
AFRO-AMERICAN ART 3.0
Afro-American art in the United States from colonial times to the present. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
Prerequisite: Special fee.
- ARHS 322
EARLY CHRISTIAN-BYZANTINE ART 3.0
The emergence and development of early Christian art from its classical and late classical antecedents and its development up to Byzantine art.
Prerequisite: Special fee.
- ARHS 323
MEDIEVAL ART 3.0
Painting, sculpture and architecture in the Romanesque and Gothic periods.
Prerequisite: Special fee.
- ARHS 324
NORTHERN RENAISSANCE PAINTING 3.0
Fifteenth and sixteenth century painting in northern Europe with particular attention to Flanders and Holland; emphasis on Jan Van Eyck, Van Der Weyden, Bosch, Peter Bruegel and Matthias Gruenewald.
Prerequisite: Special fee.
- ARHS 325
SEVENTEENTH AND EIGHTEENTH CENTURY ART 3.0
Painting, sculpture, and architecture in western Europe from 1600 to 1800; Baroque and Rococo styles with emphasis on El Greco, Bernini, Rubens, Rembrandt, Poussin and Watteau.
Prerequisite: Special fee.
- ARHS 327
HISTORY OF ORIENTAL ART 3.0
The factors that shaped oriental society; the art of China, Korea, Japan, India, Southeast Asia and the neighboring Islamic world. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 328
SURVEY OF GREEK ART 3.0
Greek art including painting, sculpture and architecture from the Bronze Age through the Hellenistic period. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 329
AMERICAN ART 3.0
Art in the United States from the colonial period through the nineteenth century; the development of an American style in the light of its relationship to and dependence upon European art.
Prerequisite: Special fee.
- ARHS 370
HISTORY OF INDUSTRIAL DESIGN 3.0
The history of industrial design is traced from the industrial revolution to the latter part of the twentieth century.
- ARHS 450
MODERN ARCHITECTURE 3.0
Major contributions to the development of modern architecture in the nineteenth and twentieth centuries; the development of styles, structural innovations and theories of design. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.
Prerequisite: Special fee.
- ARHS 451
CONTEMPORARY ART 3.0
The work of major artists of the twentieth century with particular reference to the dominant ideas of the period; readings, museum trips, discussion of contemporary writing and criticism.
Prerequisite: Special fee.
- ARHS 452
RENAISSANCE ART IN ITALY: THE SIXTEENTH CENTURY 3.0
The great masters of the Cinquecento: Leonardo, Michelangelo, Raphael, Giorgione and Titian; the emergence of Mannerist art and architecture in Rome, Venice, Florence and Bologna.
Prerequisite: Special fee.
- ARHS 455
SELECTED PROBLEMS IN ART HISTORY 3.0
A seminar in topics like the works of an individual artist or a particular theme in art history (e.g. the human figure) or a particular technique (e.g. sculpture); lectures, reports, museum and studio visits, discussion. May be repeated for credit.
Prerequisite: Special fee.
- ARHS 459
ART OF THE NINETEENTH CENTURY 3.0
The major movements of the nineteenth century: Classicism, Romanticism and Realism; the salon at mid-century; Impressionism; Post-Impressionism.
Prerequisite: Special fee.
- ARHS 462
SENIOR SEMINAR 3.0
Seminar in selected artistic problems of historic, social and philosophical nature.
Prerequisite: Departmental approval. Special fee.

ARHS 469	
ART OF THE TWENTIETH CENTURY	3.0
From Picasso to today; scientific and social forces transforming the artist's vision, including the theories of Freud and Bergson.	
<i>Prerequisite: Special fee.</i>	
ARHS 477	
HISTORY OF PHOTOGRAPHY	3.0
The roots of photography, its practitioners and the social and historical circumstances surrounding its creation.	
<i>Prerequisite: Special fee.</i>	
ARHS 483	
INDEPENDENT STUDY IN ART HISTORY	2.0-8.0
Independent study. May be repeated for a maximum of twelve credits.	
<i>Prerequisite: Departmental approval. Special fee.</i>	
ARHS 484	
INDEPENDENT STUDY: SENIOR SEMINAR (B.A. ART HISTORY)	3.0
With art history faculty advisement, each senior student will conduct a course of research in art history and complete a scholarly paper.	
<i>Prerequisites: ARHS 200 and departmental approval. Special fee.</i>	
ARHS 485	
ANCIENT ART IN ITALY: ETRUSCAN AND ROMAN ART	3.0
The arts of the Etruscans and Romans in their historical, cultural and religious settings.	
<i>Prerequisite: Special fee.</i>	
ARID 100	
VISUALIZATION AND ILLUSTRATION TECHNIQUES FOR INDUSTRIAL DESIGNERS	3.0
This studio course concentrates on fundamental conventional drafting and illustration skills that enable the communication of design ideas in technical terms for purposes of understanding industrial fabrication.	
ARID 110	
INDUSTRIAL DESIGN AND PROBLEM SOLVING	3.0
Students are introduced to processes and techniques by which design problems are analyzed, researched, prototyped and solved. Problem solving models and their application provide the focus within the scope and framework of all coursework.	
ARID 200	
INDUSTRIAL DESIGN STUDIO BEGINNING	3.0
A laboratory-based learning experience for industrial designers that focuses on the evolution of consumer product from initial specifications to pre-production prototypes.	
ARID 210	
MATERIALS PROCESSING STUDIO I	3.0
A comprehensive introduction to various methods for producing metallic, polymeric, cellulose-based and ceramic materials. Content is organized around the major families or processes; casting, molding, forming, separating, chip removal, conditioning, assembling and finishing.	
ARID 220	
INTRODUCTION TO COMPUTER AIDED SOLID MODELING REPRESENTATION	3.0
Beginning course enabling students to build conceptual and performance skills required to create and visualize three dimensional objects on a computer.	
<i>Prerequisite: ARID 100.</i>	
ARID 221	
SURFACE MODELING TECHNIQUES	3.0
Application of computer graphics to visualize problems associated with product design relating to form, space, color and factors of human interaction.	
<i>Prerequisite: ARID 200.</i>	
ARID 300	
INDUSTRIAL DESIGN STUDIO, INTERMEDIATE	3.0
To provide industrial design students opportunities to build on skills and attitudes developed in ARID 200 by collectively developing industrial design projects in small group sizes and producing a presentation quality prototype.	
<i>Prerequisite: ARID 200.</i>	
ARID 310	
MATERIALS PROCESSING STUDIO II	3.0
Study of hand and machine processing utilizing layout, handwork, machining, and precision control systems. Includes an introduction to CNC machining. Laboratory activities are applied to prototyping and manufacturing processes appropriate for industrial designers.	
<i>Prerequisite: ARID 210.</i>	
ARID 340	
MODEL MAKING AND PROTOTYPING	3.0
The design and construction of scale model as a visualization and prototyping tool for designers and artists.	
ARID 350	
HUMAN FACTORS IN ENGINEERING	3.0
The study of information and guidelines related to the design of systems, facilities, equipment and products for human use and consumption. Basic concepts and principals of ergonomics related to the field of industrial design are emphasized.	
ARID 360	
PROFESSIONAL PRACTICES IN INDUSTRIAL DESIGN	3.0
Examination of the myriad of issues facing industrial designers. Highlighted are legal, political, contractual and professional ethics and an introduction to professional organizations and career development.	
ARID 380	
METAL CASTING TECHNOLOGY	3.0
the study of contemporary industrial metal casting techniques. Laboratory activities will afford the student an opportunity to develop an understanding of casting practices as applied to the design of industrial products.	
ARID 400	
INDUSTRIAL DESIGN STUDIO, ADVANCED	3.0
An advanced level industrial design laboratory course enabling the student to identify a significant design project requiring sophisticated materials processing techniques to develop a pre-production prototype consumer product.	
<i>Prerequisite: ARID 300.</i>	
ARID 405	
ADVANCED TECHNIQUES IN DESIGN DELINEATION	3.0
this studio course concentrates on extending the student's technical appreciation, knowledge and skill level in the production of industrial product drawings.	
<i>Prerequisite: ARID 100.</i>	
ARID 410	
PROJECT DESIGN DEVELOPMENT I	3.0
Students will develop projects based on their own interests, and working in conjunction with both faculty and/or actual clients, manage their projects through a complete design and prototyping cycle.	
ARID 411	
PROJECT DESIGN DEVELOPMENT II	3.0
An opportunity for students to focus independently on specific themes or interests. This is the second part of a two-part course sequence (with ARID 410) in preparing students to experience methods of solving complex industrial design issues.	
<i>Prerequisite: ARID 410.</i>	
ARIL 220	
ILLUSTRATION, BEGINNING I	3.0
A study of the major historical and contemporary themes of illustration and its influences. Through slide presentation the work of leading illustrators will be shown and discussed and the relationship between illustration and fine art will be explored. Illustration assignments will provide concrete experience of the related thematic issues and introduce formal approaches and relevant techniques.	
<i>Prerequisite: ARFD 100. Special fee.</i>	
ARIL 230	
ILLUSTRATION, BEGINNING II	3.0
Approaches to illustration and applications of illustration techniques within selected professional fields, such as book illustration and children's book illustration; media illustration; record, greeting card and poster illustration; and humorous and satirical illustration. One of these professional fields will be explored each semester, in rotation.	
<i>Prerequisite: ARIL 220. Special fee.</i>	

ARIL 260	
INTRODUCTION TO CARTOONING	3.0
A studio exploration of the single-panel cartoon, humorous illustration, and the editorial cartoon through discussion, examination and experimentation. Cartoon formats, concepts, styles, techniques and history will be discussed. The student will experience creating cartoons from the isolation of an idea to the point of completion for publication. Students will receive on-going one-on-one critiques. Each major project assignment will culminate in a group critique, which will also serve as the "publication deadline" for each project. <i>Prerequisite: Special fee.</i>	
ARIL 320	
ILLUSTRATION, INTERMEDIATE	3.0
Continuation of ARIL 230. <i>Prerequisite: ARIL 230. Special fee.</i>	
ARIL 321	
INTRODUCTION TO 3-D COMPUTER ILLUSTRATION AND ANIMATION ARTS	3.0
An exploration of 3-D computer-generated imagery and animation combining traditional illustrative techniques and digital technology. <i>Prerequisite: ARIL 220.</i>	
ARIL 420	
ILLUSTRATION, ADVANCED	3.0
Continuation of ARIL 320. May be repeated for a maximum of nine credits. <i>Prerequisite: ARIL 320. Special fee.</i>	
ARIL 421	
ADVANCED 3-D COMPUTER ILLUSTRATION AND ANIMATION ARTS	3.0
A 2nd level computer illustration and animation course introducing industry standard software: Maya. A mix of traditional animation principles from story boarding to character development as well as inverse kinematics and keyframing will be taught. <i>Prerequisite: ARIL 321.</i>	
ARMJ 200	
METALWORK AND JEWELRY, BEGINNING I	3.0
Introduction to metal working and jewelry techniques traditionally used in the shaping of useful articles. <i>Prerequisite: Special fee.</i>	
ARMJ 210	
METALWORK AND JEWELRY, BEGINNING II	3.0
Advanced design concepts and metalworking techniques. <i>Prerequisite: ARMJ 200 or departmental approval. Special fee.</i>	
ARMJ 300	
METALWORK AND JEWELRY, INTERMEDIATE	3.0
Traditional techniques, advanced design concepts and techniques. <i>Prerequisite: ARMJ 200 or ARMJ 210. Special fee.</i>	
ARMJ 400	
METALWORK AND JEWELRY, ADVANCED	3.0
Continuation of ARMJ 300. May be repeated for a maximum of nine credits. <i>Prerequisite: ARMJ 300. Special fee.</i>	
ARMJ 450	
INDEPENDENT STUDY IN METALWORK AND JEWELRY	3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. <i>Prerequisite: Departmental approval.</i>	
ARPA 200	
PAINTING, BEGINNING I	3.0
Exploration of painting media and modes of expression. Reading, gallery and museum visits. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression. <i>Prerequisite: Special fee.</i>	
ARPA 210	
PAINTING, BEGINNING II	3.0
Continuation of ARPA 200. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression. <i>Prerequisite: ARPA 200. Special fee.</i>	
ARPA 260	
FIGURATIVE PAINTING	3.0
Rendering the human figure and expressing creative insights into figurative painting. May be repeated for a maximum of nine credits. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression. <i>Prerequisite: ARPA 200.</i>	
ARPA 300	
PAINTING, INTERMEDIATE	3.0
Continuation of ARPA 210. <i>Prerequisite: ARPA 210. Special fee.</i>	
ARPA 400	
PAINTING, ADVANCED	3.0
Continuation of ARPA 300. May be repeated for a maximum of nine credits. <i>Prerequisite: ARPA 300. Special fee.</i>	
ARPA 450	
INDEPENDENT STUDY IN PAINTING	3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. <i>Prerequisite: Departmental approval.</i>	
ARPG 260	
INTRODUCTION TO PAPERMAKING	3.0
Basic methods of making handmade paper as an art form; history and basic principles of handmade paper; contemporary directions and methods of forming. <i>Prerequisite: Special fee.</i>	
ARPG 360	
INTERMEDIATE PAPERMAKING	3.0
Continuation of ARPG 260. Two-dimensional and three-dimensional forms. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression. <i>Prerequisite: ARPG 260. Special fee.</i>	
ARPG 460	
ADVANCED PAPERMAKING	3.0
Continuation of ARPG 360. Development of personal expression and direction in the body of work produced. May be repeated for a maximum of nine credits. <i>Prerequisite: ARPG 360. Special fee.</i>	
ARPH 200	
PHOTOGRAPHY BEGINNING I: CONTEMPORARY ART FORM	3.0
The essentials of the photographic process including developing, enlarging, and exhibiting. Trips, films, discussions, lectures, criticism and demonstration. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression. <i>Prerequisite: Special fee.</i>	
ARPH 201	
DIGITAL PHOTO AND IMAGING I	3.0
The objective of this course is to teach students basic digital photography and imaging tools. The class will learn how to operate a digital camera, flatbed and film scanners, photographic quality inkjet printers as well as Adobe Photoshop skills for basic digital darkroom techniques, image editing and manipulation. Meets Gen Ed 2002-Fine and Performing Arts.	
ARPH 210	
PHOTOGRAPHY BEGINNING II: CONTEMPORARY ART FORM	3.0
The essentials of the photographic process including developing, enlarging, portfolio creation, exhibiting, trips, videos, discussion, lecture, critiques, and demonstrations. A continuation of ARPH 200, Photography Beginning I: Contemporary Art Form. <i>Prerequisite: ARPH 200. Special fee.</i>	
ARPH 211	
DIGITAL PHOTO AND IMAGING II	3.0
The objective of this course is to expand on the knowledge base learned from Digital Photo and Imaging I. The students will acquire a higher level of competency in operating a digital camera, utilizing digital photographic tools and operating output devices for printing. Students will be introduced to page layout software to produce multiple photographic sequences. <i>Prerequisite: ARPH 201.</i>	

ARPH 300		
PHOTOGRAPHY INTERMEDIATE: CONTEMPORARY ART FORM	3.0	
Continuation of ARPH 210. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARPH 210. Special fee.</i>		
ARPH 361		
SPECIAL PROCESS IN PHOTOGRAPHY	4.0	
Non-traditional light sensitive materials for use in the photographic image-making process. Extension of traditional boundaries of photography through new tools permitting greater image manipulation: gum bichromate, cyanotype, platinum, photo etching, and others.		
<i>Prerequisite: ARPH 300. Special fee.</i>		
ARPH 400		
PHOTOGRAPHY ADVANCED: CONTEMPORARY ART FORM	3.0	
Workshop, discussion, lecture, demonstrations, criticism; photography as an intensive learning experience; light sensitive materials, controls, photographic approach, selection, system and view camera. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPH 300. Special fee.</i>		
ARPH 451		
INDEPENDENT STUDY IN PHOTOGRAPHY: CONTEMPORARY ART FORM	3.0	
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval. Permission of instructor.</i>		
ARPH 463		
COMMERCIAL PHOTOGRAPHY	4.0	
Workshop and problem-solving of commercial applications in photography; view camera to 35mm, color and black and white materials, studio lighting, photo illustration, photo essay, marketing. Field trips, visiting professionals.		
<i>Prerequisite: ARPH 400. Special fee.</i>		
ARPM 200		
PRINTMAKING, BEGINNING I	3.0	
Woodcut, screen printing and monoprints; etching, drypoint and lithography. Exploration of new and advanced techniques. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARPM 210		
PRINTMAKING, BEGINNING II	3.0	
Consideration of printmaking media; particular attention to the growth and development of art-making concepts as they relate to the printmaking processes.		
<i>Prerequisite: ARPM 200. Special fee.</i>		
ARPM 260		
ETCHING AND RELIEF PRINTING	3.0	
Drypoint, engraving, etching and major techniques like line and open bite, soft ground, stop out procedure, lift ground, mezzotint and aquatint. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARPM 200. Special fee.</i>		
ARPM 261		
LITHOGRAPHY	3.0	
Chemicals, tools, materials and techniques of the process. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARPM 200.</i>		
ARPM 262		
SCREEN PRINTING	3.0	
Screen printing including miskit, tusche, glue, lacquer and stencil and photographic techniques.		
<i>Prerequisite: Special fee.</i>		
ARPM 263		
BOOK ARTS INTRODUCTION	3.0	
Book Arts is an introductory course involving the creation of handbound multi-signature books that incorporate both Eastern and Western approaches to design and format. The aesthetic quality of the artist book resides in its unique structure, visual narrative, continuum of tradition, and diversity of materials.		
ARPM 300		
PRINTMAKING, INTERMEDIATE	3.0	
Continuation of ARPM 210.		
<i>Prerequisite: ARPM 210. Special fee.</i>		
ARPM 400		
PRINTMAKING, ADVANCED	3.0	
Continuation of ARPM 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: ARPM 300. Special fee.</i>		
ARPM 450		
INDEPENDENT STUDY IN PRINTMAKING	3.0	
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisites: Departmental approval.</i>		
ARSC 200		
SCULPTURE, BEGINNING I	3.0	
Sculptural concepts using materials like plaster, metal, plastics, stone and wood. Gallery and museum visits. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 210		
SCULPTURE, BEGINNING II	3.0	
The course will focus on the figure (working from life) with auxiliary experiences in mold-making and casting. The materials will be clay (plasticine), plaster and armatures. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 221		
SCULPTURE: CLAY, INTRODUCTION A	3.0	
The use of clay to create sculptural forms; emphasis on developing skills and strengthening understanding of sculpture as an art form. Finished works may be composed of fired clay or unfired clay or clay in combination with other materials. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: Special fee.</i>		
ARSC 231		
SCULPTURE: CLAY, INTRODUCTION B	3.0	
Continuation of ARSC 221. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
<i>Prerequisite: ARSC 221. Special fee.</i>		
ARSC 300		
SCULPTURE, INTERMEDIATE	3.0	
Continuation of ARSC 200 and ARSC 210.		
<i>Prerequisite: ARSC 200 and ARSC 210. Special fee.</i>		
ARSC 321		
SCULPTURE: CLAY, INTERMEDIATE	3.0	
Continuation of ARSC 231.		
<i>Prerequisite: ARSC 231. Special fee.</i>		
ARSC 400		
SCULPTURE, ADVANCED	3.0	
Continuation of ARSC 300. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval. Special fee.</i>		
ARSC 421		
SCULPTURE: CLAY, ADVANCED	3.0	
Continuation of ARSC 321. May be repeated for a maximum of nine credits.		
<i>Prerequisite: Departmental approval. Special fee.</i>		
ARSC 450		
INDEPENDENT STUDY: SCULPTURE	3.0	
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits.		
<i>Prerequisites: Departmental approval.</i>		
ARST 400		
MAJOR STUDIO PROJECT I (B.F.A.)	3.0	
With faculty advisement, each senior student will design and develop a studio project in a chosen area of specialization. The body of the work will be completed in Major Studio Project II.		
<i>Prerequisite: Departmental approval. Special fee.</i>		

ARST 410

MAJOR STUDIO PROJECT II (B.F.A.)

10.0

With faculty advisement, each senior student will complete and present a body of work in an area of extended specialization, the same area of specialization already established and explored in Major Studio I.

Prerequisite: ARST 400. Special fee.

ARTH 280

INTRODUCTION TO ART THERAPY

3.0

An historical and theoretical overview including the literature and current trends in the field. Students will use a variety of art materials to express personal symbolism, fantasy, and dreams. Open to non-majors. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

Prerequisite: Special fee.

BIOLOGY AND MOLECULAR BIOLOGY

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Scott L. Kight

The student can prepare for a biology career, graduate work, or professional programs in medicine, dentistry, medical technology, physical therapy, veterinary medicine, pharmacy and other fields related to biology, by taking the major requirements with a proper selection of electives. Students can obtain certification to teach biology by completing the professional sequence. A minor in biology is also available.

Outstanding students can take advantage of the honors program and be granted an "Honors in Biology" by fulfilling the prescribed requirements. For information about the program, contact the department chairperson.

Freshman courses offered for biology majors assume that the student has taken biology, chemistry and physics and at least three years of college preparatory mathematics in high school.

Biology Major

Required Courses

	Semester Hours
BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 199 Freshman Seminar in Biology	1
BIOL 213 Introduction to Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
BIOL 491 Research in Biology Literature	1
BIOL 490 Senior Seminar in Biology	2
OR	
BIOL 471 Biomedical Ethics	2

Collateral Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2

Select one sequence:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
OR	
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Select one sequence:

MATH 109 Statistics	3
MATH 111 Applied Precalculus	4
OR	
MATH 112 Precalculus Mathematics	3
MATH 116 Calculus A	4
OR	
MATH 122 Calculus I	4
MATH 221 Calculus II	4

Major Electives

Select one biology elective from each of the following 4 areas and one additional elective. I5-20

A. Cell and Molecular	
BIOL 350 Microbiology	4
BIOL 433 Developmental Biology	4

BIOL 434 Molecular Biology	3
BIOL 435 Experimental Molecular Biology	3
BIOL 444 Cell Physiology	3
BIOL 445 Immunology	3
BIOL 446 Endocrinology	3
BIOL 475 Medical Genetics	3
BIOL 476 Biology of Cancer	3

B. Ecology

BIMS 220 Introduction to Marine Biology	4
BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 330 Introduction to Animal Behavior	3
BIOL 370 Principles of Ecology	4
BIOL 417 Evolution and Systematics	3
BIOL 420 Economic Botany	3
BIOL 426 New Jersey Flora	4
BIOL 430 Ornithology	3
BIOL 431 Entomology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Aquatic Ecology	3

C. Organismal

BIOL 417 Evolution and Systematics	3
BIOL 420 Economic Botany	3
BIOL 425 Elementary Plant Physiology	4
BIOL 426 New Jersey Flora	4
BIOL 432 Medical Entomology	3
BIOL 433 Developmental Biology	4
BIOL 439 Biology of Animal Parasites	3
BIOL 440 Gross Mammalian Anatomy	4
BIOL 441 Comparative Anatomy of Vertebrates	4
BIOL 442 Human Physiology	4
BIOL 443 Vertebrate Embryology	4
BIOL 445 Immunology	3
BIOL 446 Endocrinology	4
BIOL 447 Fundamentals of Pharmacology	3
BIOL 448 Mammalian Microanatomy	4
BIOL 450 Medical Microbiology	3

D. Research

BICL 404 Plant and Animal Histological Techniques	3
BICL 405 Cell Culture	3
BICL 406 Scanning Electron Microscopy	4
BIOL 409 Externship in Biological Research (Cooperative Education)I-4	
BIOL 411 Introduction to Transmission Electron Microscopy	4
BIOL 418 Biology Independent Research	4
BIOL 480 Research Community I: Organism Biology	4
BIOL 481 Research Community II: Organism Biology	4

E. One additional elective from above.

Molecular Biology Major

The main objectives of our undergraduate Molecular Biology major are: to educate students in greater depth in molecular studies than would be possible in our Biology program, and to prepare students in the methodological advances which have changed the study of biology in recent years. The field of molecular biology has an impact on almost every other area of study in the biological sciences, and its development has led to expanded graduate and professional programs. The Molecular Biology curriculum will provide undergraduate students with a fundamental knowledge of the principles and practices inherent in the rapidly advancing field of molecular biology.

Students who major in Molecular Biology can also enter the burgeoning biotechnology industry, well prepared to compete in the modern scientific marketplace, as most institutions carry on basic or applied research in biomedical areas today using techniques of molecular biology. Students completing this major will be well-prepared to enter professional schools of medicine, dentistry, veterinary medicine, and optometry, as well as graduate programs.

Required Courses

	Semester Hours
BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 199 Freshman Seminar in Biology	1
BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 434 Introductory Molecular Biology	3
BIOL 435 Experimental Molecular Biology	3
BIOL 409 Externship in Biological Research (Cooperative Education) ..	4
OR	
BIOL 418 Independent Research	4

Collateral Chemistry Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2
CHEM 470 Biochemistry I	3
CHEM 471 Biochemistry II	3

Select one sequence:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
OR	
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Select one sequence:

MATH 112 Precalculus Mathematics	3
MATH 116 Calculus A	4
OR	
MATH 122 Calculus I	4
MATH 221 Calculus II	4

Select one of the following:

CMPT 109 Computer Applications	3
OR	
CMPT 183 Foundations of Computer Science I	

Electives

Select a least 8 semester hours from the following:

BICL 405 Cell Culture	3
BICL 406 Scanning Electron Microscopy	4
BIOL 409 Externship in Biological Research (Cooperative Education)1-4	
BIOL 411 Introduction to Transmission Electron Microscopy	4
BIOL 418 Biology Independent Research	4
BIOL 425 Elementary Plant Physiology	4
BIOL 442 Human Physiology	4
BIOL 443 Vertebrate Embryology	4
BIOL 444 Cell Physiology	3
BIOL 445 Immunology	3
BIOL 446 Endocrinology	4
BIOL 447 Fundamentals of Pharmacology	3
BIOL 450 Medical Microbiology	3
BIOL 471 Biomedical Ethics	2
BIOL 475 Medical Genetics	3
BIOL 476 Biology of Cancer	3
BIOL 492 Senior Colloquium	1

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. The course requirements are otherwise similar to those of the Biology major.

Second Teaching Field in Biological Sciences

An approved program of at least 30 semester hours with 18 credits at 100-200 level and 12 credits at 300-400 level and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Biology Honors

- Biology Major
 - Overall Grade Point Average 3.50
 - Biology Grade Point Average 3.70 with no grade lower than a "B"
 - Additional Courses
 - BIOL 418 Biology Independent Study
 - BIOL 491 Research in Biology Literature
- (2 Biology faculty sponsors needed)

Biology Major with Environmental Science Concentration

Required Courses

	Semester Hours
BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 199 Freshman Seminar in Biology	1
BIOL 213 Introduction to Ecology	4
BIOL 230 Cell and Molecular Biology	4
BIOL 380 Genetics	4
BIOL 490 Senior Seminar in Biology	
OR	
GEOS 490 Seminar in Geoscience	2
BIOL 491 Research in Biology Literature	1

Collateral Chemistry Courses

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry I	2

Collateral Mathematics Courses

Select one sequence:

MATH 112 Precalculus Mathematics	3
MATH 116 Calculus A	4
OR	
MATH 122 Calculus I	4
MATH 221 Calculus II	4
OR	
MATH 109 Statistics	3
MATH 111 Applied Precalculus	4

Collateral Physics Courses

Select one sequence:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
OR	
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4

Biology Major Elective

Select a minimum of 3 semester hours from the appropriate list to be obtained from the department

Environmental Science Concentration

Required Courses

	Semester Hours
BIOL 256 Applied Environmental Microbiology	3
GEOS 112 Physical Geology	4
GEOS 450 Principles of Soil Science	3
GEOS 452 Geohydrology	
OR	
ENVR 452 Geohydrology	3
Pick one of the following two:	
GEOS 454 Environmental Geochemistry	
OR	
CHEM 320 Environmental Chemical Analysis	3

Concentration Elective

Select a minimum of 3 semester hours from the following	3
BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 330 Introduction to Animal Behavior	3
BIOL 370 Principles of Ecology	3
BIOL 417 Evolution and Systematics	3
BIOL 420 Economic Botany	3
BIOL 422 Biodiversity	4
BIOL 425 Elementary Plant Physiology	4
BIOL 426 New Jersey Flora	4
BIOL 430 Ornithology	3
BIOL 431 Entomology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Aquatic Ecology	3
BIMS 220 Introduction to Marine Biology	4

Biology Minor

Required Courses

BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4

Select one option from the following:

Option A (Molecular):

BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 434 Molecular Biology	3

Option B (Environmental):

BIOL 213 Introduction to Ecology	4
And select 12 semester hours from the following:	
BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 330 Introduction to Animal Behavior	3
BIOL 370 Principles of Ecology	4
BIOL 420 Economic Botany	3
BIOL 426 New Jersey Flora	4
BIOL 430 Ornithology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Aquatic Ecology	3
BIMS 220 Introduction to Marine Biology	4

Option C (Functional):

BIOL 230 Cell and Molecular Biology	4
Select two courses from the following:	
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 440 Gross Mammalian Anatomy	4
BIOL 442 Human Physiology	4
BIOL 443 Vertebrate Embryology	4
BIOL 445 Immunology	3
BIOL 446 Endocrinology	4
BIOL 447 Fundamentals of Pharmacology	3

Courses of Instruction

BICL 405

CELL CULTURE

3.0

Theory of and practice in working with living cells: tissue culture techniques, cell communication, differentiation, regeneration and aging in several living cell systems.

Prerequisite: Departmental approval. Special fee.

BICL 406

SCANNING ELECTRON MICROSCOPY

4.0

Introduction to theory and practice of scanning electron microscopy. Includes specimen preparation, scanning electron microscope operation, electron specimen interactions/imaging, and microanalysis.

Prerequisite: Departmental approval. Special fee.

BIOL 100

BIOLOGICAL SCIENCES

4.0

The study of life from molecule to organism with focus on structure and function of cells, mechanisms of heredity and change, survey of animals and plants and their interrelationships in the living world. Open to non-majors as well as majors. BIOL 100 is not included in the GPA as a biology major course. (3 hours lecture, 2 hours laboratory.) Meets the Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: Special fee.

BIOL 107

BIOLOGY FOR SURVIVAL

3.0

Basic concepts of biology that focus on social implications of pollution, population control, radiation, drugs, pesticides, the genetic revolution, etc. For non-science majors. Biology majors may only take this course as a free elective. (3 hours lecture.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science Only.

BIOL 109

THE LIVING WORLD

4.0

This course will provide students an opportunity to learn about the biological and environmental components of life and how these components interact to affect their own lives. This course is designed to be effective for and approachable by students who are not biology majors. (3 hours lecture, 2 hours laboratory.) No prerequisites in biology are needed. Meets Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.

Prerequisite: Special fee.

BIOL 110

THE BIOLOGY OF HUMAN LIFE

4.0

The course is intended to serve the non-biology major and present a basic introduction to human anatomy and physiology. It will provide students with a laboratory experience so that they may learn the scientific method and its application in the field of human biology. This course will provide these students with a body of knowledge specific to human anatomy and physiology so that they may be well informed when dealing with important personal, family and societal issues relative to health and life-style decisions. (3 hours lecture, 2 hours laboratory.) Meets Gen Ed 2002—Laboratory or Non-laboratory Science. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: Special fee.

BIOL 111

EMERGING DISEASES

3.0

This is a course to discuss biological, social, and ethical aspects of emerging diseases. Topics such as cancer, heart disease, stroke, and emerging infectious disease will be covered. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science only.

- BIOL 112**
PRINCIPLES OF BIOLOGY I 4.0
Principles of Biology I involves the study of life from molecule to multicellular organism with focus on structure and function of cells, mechanisms of heredity and change, and the ways in which these processes shape higher levels of biological organization. This course is designed to fulfill the first core course requirement of the biology major.
Prerequisite: BIOL 100 or minimum MSUPT composite test score of 160 for writing and reading. Special fee.
- BIOL 113**
PRINCIPLES OF BIOLOGY II 4.0
Principles of Biology II will provide an introductory level study of biodiversity and the origins of life, phylogenetic relationships among organisms, genetics, developmental biology, reproduction, the biology of populations and communities, and ecosystem processes.
Prerequisite: BIOL 100 or minimum MSUPT composite test score of 160 for writing and reading. Special fee.
- BIOL 199**
FRESHMAN SEMINAR IN BIOLOGY 1.0
 An experience for biology freshmen that will help them to succeed as Biology majors by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002–New Student Seminar.
- BIOL 213**
INTRODUCTION TO ECOLOGY 4.0
 Semester-long field oriented course designed as an introduction to the natural world. Emphasis will be placed on identifying and characterizing the variety of habitats in New Jersey through field observations, group and individual projects and specimen collection. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 112 or 113 (or BIOL 120 or BIOL 132 if completed prior to Fall 2002). Special fee.
- BIOL 215**
HUMAN HEREDITY 3.0
 A non-major course introducing concepts of classical heredity and modern molecular genetics, which stresses the techniques and significance of genetic knowledge and research. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science Only.
- BIOL 230**
CELL AND MOLECULAR BIOLOGY 4.0
 An introduction to the chemistry, structure, and function of prokaryotic and eukaryotic cells. Topics covered include membrane structure and transport processes, bioenergetics and energy transformations in cells, DNA replication and expression, protein synthesis, and cell movement. (3 hours lecture, 3 hours laboratory.)
Prerequisites: CHEM 120 with a grade of "C–" or better. Special fee.
- BIOL 240**
MAMMALIAN ANATOMY AND PHYSIOLOGY I 3.0
 Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: Special fee.
- BIOL 241**
MAMMALIAN ANATOMY AND PHYSIOLOGY II 3.0
 Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: BIOL 240. Special fee.
- BIOL 243**
HUMAN ANATOMY AND PHYSIOLOGY 4.0
 A study of the dynamics of the human body in relation to its structure and function is based on its nutritional input. Each organ system is discussed in relation to its contribution to the whole functioning organism, as well as a basic survey of its pathologies. Primarily for ADA certification. (3 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.
- BIOL 244**
ANATOMY AND PHYSIOLOGY OF MAMMALS I 4.0
 The structure and function of the cell, tissue and organ systems—integumentary, skeletal, muscular, circulatory and respiratory. Non-majors only. (3 hours lecture, 2 hours laboratory.)
Prerequisites: Departmental approval; non-majors only. Special fee.
- BIOL 245**
ANATOMY AND PHYSIOLOGY OF MAMMALS II 4.0
 The structure and function of the organ systems—nervous, excretory, endocrine, digestive and reproductive. (3 hours lecture, 2 hours laboratory.) Not for Biology majors.
Prerequisites: BIOL 244; non-majors only; departmental approval. Special fee.
- BIOL 254**
APPLIED MICROBIOLOGY 3.0
 Microbiological concepts and techniques applicable to food and dairy processing, health and disease, water, waste and other environmental problems. (2 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.
- BIOL 255**
SURVEY OF MICROBIOLOGY 4.0
 Microbiological concepts and techniques applicable to medical, health and environmental problems. (3 hours lecture, 2 hours laboratory.) Not for Biology majors.
Prerequisite: CHEM 110 and 112; non-biology majors only. Special fee.
- BIOL 300**
ENVIRONMENTAL BIOLOGY AND RELATED CONTROVERSIAL ISSUES 3.0
 Analysis of ecological problems of today's population trends and control, food production, environmental deterioration, waste disposal, etc.
Prerequisite: BIOL 213.
- BIOL 310**
PRINCIPLES OF TOXICOLOGY I 3.0
 Examination of the major classes of toxic agents by identifying characteristics of their toxicity and factors which modify this outcome.
Prerequisite: BIOL 230 and CHEM 231.
- BIOL 330**
INTRODUCTION TO ANIMAL BEHAVIOR 3.0
 Concepts and theories of the sensory world of animals and behavioral patterns resulting in environmental adaptations.
Prerequisites: BIOL 113 (or BIOL 132 if completed prior to Fall 2002).
- BIOL 350**
MICROBIOLOGY 4.0
 A study of bacteria, yeast, molds and other microorganisms in relation to modern biological concepts and the welfare of man. Standard techniques employed in the laboratory. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 230 and CHEM 120. Special fee.
- BIOL 370**
PRINCIPLES OF ECOLOGY 3.0
 To acquaint biology majors with the general principles of ecology, population dynamics and adaptations of plants and animals to the various habitats. (2 hours lecture, 2 hours laboratory.)
Prerequisites: BIOL 213. Special fee.
- BIOL 380**
GENETICS 4.0
 Lecture and lab. Heredity, gene and chromosomal structure and function, gene regulation, mutation and repair, genes in populations, genetic manipulation, and applied genetics are covered. Lab exercises demonstrate genetic concepts. A semester-long project with research paper is required. Required of all Biology majors and minors. Meets the University Writing Requirement for BICM, BIED, BIES, BIOL, MOBI, SIBC, SICS, SIMB majors. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 230 with a grade of "C–" or better and CHEM 120. Special fee.

- BIOL 409**
EXTERNSHIP IN BIOLOGICAL RESEARCH
 (COOPERATIVE EDUCATION) 1.0-4.0
 Full- or part-time work in an established laboratory with a scientific investigator for the duration of the term.
Prerequisite: Departmental approval. Special fee.
- BIOL 411**
INTRODUCTION TO TRANSMISSION ELECTRON MICROSCOPY 4.0
 Basic theory and practice of electron microscopy. Specimen preparation ultramicrotomy, microscopy, photographic preparation of final print, interpretation of results. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 230. Special fee.
- BIOL 417**
EVOLUTION AND SYSTEMATICS 3.0
 Causes and mechanisms of biological variation and species formation as the basis of modern systematics and evolutionary theory.
Prerequisites: BIOL 213.
- BIOL 418**
BIOLOGY INDEPENDENT RESEARCH 1.0-4.0
 Under the guidance of a sponsor, students will investigate individual problems of appropriate scope. A written and/or oral report is required. (Offered on demand.)
Prerequisite: Minimum G.P.A. 3.0 and departmental approval. Special fee.
- BIOL 425**
ELEMENTARY PLANT PHYSIOLOGY 4.0
 Major physiological processes of the flowering plant: growth, metabolism, photosynthesis, respiration, water relations and mineral nutrition. (Not offered every year.)
Prerequisites: BIOL 113 (or BIOL 120 if completed prior to Fall 2002) and CHEM 230. Special fee.
- BIOL 426**
NEW JERSEY FLORA 4.0
 Field identification of mosses, liverworts, ferns, and seed plants in a variety of habitats. (Not offered every year.)
Prerequisite: BIOL 213. Special fee.
- BIOL 430**
ORNITHOLOGY 4.0
 The biology, identification, and natural history of birds in a variety of habitats. Laboratory includes trips on a varying schedule. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 113 (or BIOL 132 if completed prior to Fall 2002). Special fee.
- BIOL 431**
ENTOMOLOGY 3.0
 Identification, physiology and ecology of common insect families. (Not offered every year.)
Prerequisite: BIOL 113 (or BIOL 132 if completed prior to Fall 2002). Special fee.
- BIOL 432**
MEDICAL ENTOMOLOGY 3.0
 The study of arthropods that are vectors of diseases afflicting man and domestic animals. (Not offered every year.)
Prerequisite: BIOL 113 (or BIOL 132 if completed prior to Fall 2002). Special fee.
- BIOL 433**
DEVELOPMENTAL BIOLOGY 4.0
 This course discusses the concepts and principles that are rapidly emerging from studies of developmental processes in animals. We shall consider egg organization, origins of cell differences, molecular mechanisms of cell differentiation, cell movements, inductive interactions in animals, long-range signaling mechanisms, and the cellular and molecular processes underlying pattern formation.
Prerequisites: BIOL 230, BIOL 380, and CHEM 231. Special fee.
- BIOL 434**
INTRODUCTORY MOLECULAR BIOLOGY 3.0
 This course is designed to examine the molecular biology of plant and animal cells.
Prerequisites: BIOL 350 and 380 and CHEM 470.
- BIOL 435**
EXPERIMENTAL MOLECULAR BIOLOGY 3.0
 A laboratory course that will introduce biology and molecular biology majors to the basic techniques of modern molecular biology. Techniques to be covered include nucleic acid isolation, restriction enzyme mapping, plasmid manipulation and subcloning, genomic library construction, PCR amplification, and DNA sequence analysis. (6 hours laboratory.)
Prerequisite: BIOL 434. Special fee.
- BIOL 436**
PHYLOGENETIC ZOOLOGY 4.0
 Phylogenetic Zoology is a comprehensive survey of evolutionary zoology. The focus of the course is on the ecological and evolutionary processes that shape the natural histories of aquatic and terrestrial animals. Integrated lecture and laboratory investigations will explore the anatomy, physiology, diversity ecology and evolutionary significance of animal clades. The course is designed to fulfill major elective requirements of the biology major.
Prerequisite: BIOL 213. Special fee.
- BIOL 440**
GROSS MAMMALIAN ANATOMY 4.0
 Functional mammalian anatomy at the microscopic and gross level. Laboratory dissection of the cat and study of selected organs and anatomical models. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 113 with a grade of "C-" or better (or BIOL 132 with a grade of "C-" or better if completed prior to Fall 2002). Special fee.
- BIOL 442**
HUMAN PHYSIOLOGY 4.0
 Functions of animal organs and systems with emphasis on maintenance of homeostasis.
Prerequisite: BIOL 113 (or BIOL 132 if completed prior to Fall 2002), and BIOL 230 with a grade of "C-" or better, and CHEM 230. Special fee.
- BIOL 443**
VERTEBRATE EMBRYOLOGY 4.0
 Developmental anatomy of the vertebrates, especially amphibian, chick and human. General concepts of development and cell differentiation. (Not offered every year.)
Prerequisites: BIOL 113 (or BIOL 132 if completed prior to Fall 2002), and BIOL 230. Special fee.
- BIOL 444**
CELL PHYSIOLOGY 3.0
 Advanced course in cell function.
Prerequisites: BIOL 230 with a grade of "C-" or better, and CHEM 230.
- BIOL 445**
IMMUNOLOGY 3.0
 Cellular and humoral immunal responses, immunoglobulins, antigen-antibody reactions, immunopathology, transplantation, and blood transfusion. (Not offered every year.)
Prerequisites: BIOL 230 with a grade of "C-" or better, and CHEM 230.
- BIOL 446**
ENDOCRINOLOGY 3.0
 Basic anatomy and physiology of the mammalian endocrine glands with special attention directed to the human endocrine glands. The interrelationships between the various endocrines including neural control and the role of these glands in maintaining the homeostasis of the body will be stressed.
Prerequisite: BIOL 230 with a grade of "C-" or better, and CHEM 230.
- BIOL 447**
FUNDAMENTALS OF PHARMACOLOGY 3.0
 Introduction to the study of chemicals that have biological effects, with special emphasis on those with medical importance.
Prerequisites: BIOL 230 and CHEM 230.

- BIOL 448**
MAMMALIAN MICROANATOMY 4.0
 Detailed examination of mammalian tissues using both light and electron micrographic analyses. Epithelial, connective, muscle, nervous and gametic tissues will be thoroughly examined as they occur structurally and functionally within mammalian organ systems.
Prerequisite: BIOL 113 (or BIOL 132 if completed prior to Fall 2002) and BIOL 230. Special fee.
- BIOL 450**
MEDICAL MICROBIOLOGY 3.0
 The course is designed to acquaint the Biology major with those microorganisms which cause disease, the prevention of disease, therapeutic agents to control microbial diseases and the body's natural defense mechanisms.
Prerequisite: BIOL 350.
- BIOL 457**
VIROLOGY 3.0
 This course will develop the fundamental principles of modern virology and examine the connection between viruses and disease. It will examine the molecular biology of virus replication, infection, gene expression, the structure of virus particles and genomes, pathogenesis, and classification of viruses.
Prerequisite: BIOL 230.
- BIOL 460**
BIOLOGICAL OCEANOGRAPHY 3.0
 Biological processes within oceans and estuaries are considered in relation to the physical environment. Field and laboratory work. (Not offered every year.)
Prerequisites: BIOL 213. Special fee.
- BIOL 461**
AQUATIC ECOLOGY 3.0
 Biological and physical processes of rivers and lakes. Field work and laboratory. (Not offered every year.)
Prerequisite: BIOL 112 and 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002) or departmental approval. Special fee.
- BIOL 471**
BIOMEDICAL ETHICS 2.0
 Seminar course dealing with ethical dilemmas posed by advances in biomedical technology. Background readings in ethics will be followed by discussions of readings on the applications and consequences of modern biomedical research.
Prerequisites: BIOL 380.
- BIOL 475**
MEDICAL GENETICS 3.0
 A detailed study and analysis of human genetics, inborn genetic diseases, genomics, gene therapy, and the Human Genome Project.
Prerequisites: BIOL 380 with a grade of "C" or better; CHEM 230.
- BIOL 476**
BIOLOGY OF CANCER 3.0
 An in-depth examination of the biology of cancer, including risk factors, genetics, causes of cancer, metastasis, therapies (conventional and recombinant DNA), and prevention will be presented. This course will also help students develop proficiency in critically evaluating primary scientific articles dealing with cancer.
Prerequisites: BIOL 230 and BIOL 380 and CHEM 231.
- BIOL 480**
RESEARCH COMMUNITY I: ORGANISM BIOLOGY 4.0
 Survey of topics and techniques in contemporary organism biology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the organism level. Students will prepare and present a scientific research proposal for peer and faculty review.
Prerequisites: BIOL 112 and 113, (or BIOL 120 and BIOL 132 if completed prior to Fall 2002); and BIOL 213, BIOL 230, CHEM 231 and CHEM 232; or departmental approval. Special fee.
- BIOL 481**
RESEARCH COMMUNITY II: ORGANISM BIOLOGY 4.0
 Team-based independent research on topics in contemporary organismal biology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 480. Students will ultimately prepare and present a scientific research paper for peer and faculty review.
Prerequisite: BIOL 480. Special fee.
- BIOL 482**
RESEARCH COMMUNITY I: MOLECULAR BIOLOGY 4.0
 Survey of topics and techniques in contemporary molecular biology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the molecular level. Students will prepare and present a scientific research proposal for peer and faculty review.
Prerequisites: BIOL 112 and BIOL 113, (or BIOL 120 and BIOL 132 if completed prior to Fall 2002); and BIOL 213, BIOL 230, CHEM 231 and CHEM 232; or departmental approval. Special fee.
- BIOL 483**
RESEARCH COMMUNITY II: MOLECULAR BIOLOGY 4.0
 Team-based independent research on topics in contemporary molecular biology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 482. Students will ultimately prepare and present a scientific research paper for peer and faculty review.
Prerequisite: BIOL 482. Special fee.
- BIOL 484**
RESEARCH COMMUNITY I: ECOLOGY 4.0
 Survey of topics and techniques in contemporary ecology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the ecological level. Students will prepare and present a scientific research proposal for peer and faculty review.
Prerequisites: BIOL 112 and BIOL 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002); and BIOL 213, BIOL 230, CHEM 231 and CHEM 232; or departmental approval. Special fee.
- BIOL 485**
RESEARCH COMMUNITY II: ECOLOGY 4.0
 Team-based student independent research on topics in contemporary ecology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 484. Students will ultimately prepare and present a scientific research paper for peer and faculty review.
Prerequisite: BIOL 484. Special fee.
- BIOL 486**
SELECTED TOPICS IN BIOLOGY 3.0-4.0
 This course will acquaint the student with recent developments and specialized content in the biological sciences. Examples of topic areas are: vision science, biological modeling, forensic entomology, disease ecology, pathophysiology, and mitochondrial genomics. This course is designed to fulfill elective requirements of the biology major. This course may be repeated once for a maximum of eight credits.
Prerequisites: BIOL 213 and BIOL 230 or permission of instructor.
- BIOL 490**
SENIOR SEMINAR IN BIOLOGY 2.0
 Course which will allow the advanced undergraduate student to study a single topic in depth. This course would allow the students an opportunity to integrate the principles of several areas (ecology, physiology, genetics, etc.) of biology in the study of a single topic. This required course for Biology seniors will have a seminar format.
Prerequisite: Senior status; biology and molecular biology majors only.
- BIOL 491**
RESEARCH IN BIOLOGY LITERATURE 1.0
 Each student will survey current biological literature pertinent to a specific problem. A comprehensive report is required.
Prerequisites: BIOL 230 with a grade of "C-" or better.

- BIOL 492**
SENIOR COLLOQUIUM 1.0
 Students in this course will read primary resources material and interpret the data. This course will also teach students how to read, critique, and present scientific data to a peer group. Students will analyze, discuss, and present primary research articles with respect to scientific content, accuracy of the data and significance of the experiments.
Prerequisite: Senior status.
- BIOL 497**
GENOMICS 3.0
 The course will examine the associations among nucleic acid sequence (RNA and DNA), structure, and function in complex biological systems, while treating these systems as biological databases. Both computer program-based and laboratory method will be discussed to better understand the relationship between nucleic acid sequence and function. Future opportunities and current limitations of genome analyses will be critically addressed.
Prerequisite: BIOL 380, CMPT 183, CHEM 470.
- BIOL 498**
PROTEOMICS 3.0
 Proteomics is the study of the sum total of the proteins in an organism. This course will examine advanced methods of protein expression analysis, elucidation of protein-protein interactions, and functional analysis of all proteins.
Prerequisites: BIOL 380, CMPT 183, CHEM 470.
- BIMS 220**
INTRODUCTION TO MARINE BIOLOGY 4.0
 A field and laboratory oriented course covering the characteristics of marine plants and animals. The course is designed to provide the student with experience in collecting and identifying local marine flora and fauna.
- BIMS 422**
BIOLOGY OF MARINE PLANKTON 2.0
 A study of the marine phytoplankton and zooplankton, their collection, analysis and interpretation. Their role in the ecosystem will be stressed as will be their distribution, particularly those of the near shore and estuarine environment. Field trips will be made to coastal New Jersey. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 422.
- BIMS 426**
MARINE ENERGY SYSTEMS 2.0
 Principles of production and energy transfer in the marine environment. Spatial and temporal distribution of productivity. Productivity measurement and assessment of the roles of plants, herbivores and carnivores in marine energetics. Offered at New Jersey Marine Sciences Consortium.
- BIMS 431**
MARINE INVERTEBRATE ZOOLOGY 4.0
 A study of the invertebrates living in the marine realm with emphasis on the interrelations of these animals to their particular environment. Field work will include studies of the pelagic and benthonic forms associated with estuaries and the continental shelf. Also offered at the site of the New Jersey Marine Sciences Consortium.
- BIMS 433**
SEASHORE ORNITHOLOGY 2.0
 Field identification of birds of the ocean, salt marsh, sand dunes, and adjacent land areas. Includes discussion of habits and ecology. Offered at NJ Marine Sciences Consortium.
- BIMS 438**
SEASHORE ENTOMOLOGY 2.0
 Ecological studies of the insect fauna found in the unique habitats of the (1) intertidal zone, (2) coastal sand dunes and (3) salt marsh found along the New Jersey shoreline.
- BIMS 450**
MARINE BOTANY 4.0
 An introduction to the structure, systematics, physiology and ecology of algae and metaphyta of the marine environment. Emphasis will be placed on the flora of the estuary and tidal marsh. Biology of the associated phytoplankton will be studied. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 450.
- BIMS 455**
MARSH AND DUNE VEGETATION 2.0
 A field and laboratory study of the plant communities that inhabit the sand dunes and marshes of the coastal zone of New Jersey. The diversity of the forms of plant life and their adaptations and ecological roles. The collection and identification of individual plant species. Also offered at the site of the New Jersey Marine Sciences Consortium.
- BIMS 460**
ADVANCED MARINE BIOLOGY 4.0
 Interrelationships of marine animals and plants. Ecological response to physical and chemical parameters. Principles such as zonation, succession, ecosystem structure, and physiological response will be examined through lectures, field projects and laboratory study.
Prerequisites: BIOL 112 and BIOL 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002) or departmental approval.
- BIMS 490**
FIELD METHODS IN THE MARINE SCIENCES 4.0
 The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture; 4 hours lab.)
- BIMS 491**
PLANKTON SAMPLING AND ANALYSIS 1.0
 Sampling, identification and counting of phyto- and zooplankton. New Jersey Marine Sciences Consortium.
- BIMS 494**
PRIMARY PRODUCTION IN THE MARINE ENVIRONMENT 1.0
 Theory and techniques of primary production measurement. New Jersey Marine Sciences Consortium.

BROADCASTING

SCHOOL OF THE ARTS

Chairperson: Lawrence Londino

The Department of Broadcasting provides students the opportunity to earn a liberal arts baccalaureate degree while simultaneously being exposed to fundamental training in the field of electronic media production. The emphasis of the curriculum is on the writing, producing, and directing of fresh, innovative ideas for electronic media presentation, coupled with a strong theoretical background in the history and contemporary issues surrounding the development of the electronic communication industries in the United States. While the curriculum is not designed to train professional craftspeople, students with an interest in and an aptitude for specific craft disciplines (e.g., videography, editing, technical directing) are provided opportunities to gain access to state-of-the-art production equipment for self-directed practical training.

Special features of the academic program include: internships at major broadcasting facilities; an adjunct faculty of high-level broadcasting executives and producers; student participation in the production of in-house videos for the University as well as our own weekly award-winning cable television program, *Carpe Diem*; production competitions; and association with professional organizations such as the National Academy of Television Arts and Sciences (NATAS), American Women in Radio and Television (AWRT), and the University Film and Video Association (UFVA).

The Department of Broadcasting requires an interview for admission to the program. The dates and requirements for department admissions and interviews may be obtained from the Admissions Office or by calling the Department of Broadcasting at (973) 655-7870.

Broadcasting Major—B.A.

Required Courses

	Semester Hours
SPCM 101 Fundamentals of Speech: Communication Requirement	3
BDCS 101 Introduction to the Broadcasting Medium	3
BDCS 140 Writing for the Broadcasting Media	3
BDCS 150 Audio Production	3
BDCS 251 Television Production I	4
BDCS 252 Television Production II	4
BDCS 253 Television Practicum	1
BDCS 350 Television Production III	4

Major Electives

Select five courses to total at least 15 semester hours from the following list:

BDCS 250 Sound Design	3
BDCS 260 History of Television	3
BDCS 270 Special Topics in Broadcasting*	3
BDCS 282 Media and Culture	3
BDCS 293 Programming	3
BDCS 315 Political Broadcasting	3
BDCS 340 Introduction to Multitrack Recording	3
BDCS 351 Craft Workshop	1-3
BDCS 353 Children's Television	3
BDCS 360 Station Management	3
BDCS 391 International Broadcasting	3
BDCS 395 Ethics of Mass Communication	3
BDCS 403 Independent Study**	3
BDCS 440 Electronic Journalism	3
BDCS 470 Special Studies in Broadcasting*	3
BDCS 480 Television Production Company	1-3
BDCS 490 Internship: Broadcasting***	4-6

*This number is used for various course offerings which are not regularly scheduled, and may be repeated when a different course title is offered.

**Not more than 3 semester hours may be counted toward the Broadcasting major.

***Not more than 6 semester hours may be counted toward the Broadcasting major.

Courses of Instruction

BDCS 100 FRESHMAN SEMINAR IN BROADCASTING 1.0

An experience for freshman broadcasting majors designed to introduce them to the policies, procedures, and general life flow of the DuMont Television Center, the Department of Broadcasting, and the University. Meets Gen Ed 2002—New Student Seminar.

Corequisite: BDCS 101.

BDCS 101 INTRODUCTION TO THE BROADCASTING MEDIUM 3.0

A survey of the history, organization and current structure of radio, television and hybrid technologies; societal and cultural influences of electronic broadcast media; introduction to practical and theoretical concepts of studio production.

Prerequisite: Broadcasting majors only.

BDCS 140 WRITING FOR THE BROADCASTING MEDIA 3.0

Writing of continuity and dramatic materials for the broadcast media, including news, commercials, and drama. Meets the University Writing Requirement for BRCA majors.

Prerequisite: BDCS 101; Broadcasting majors only.

BDCS 150 AUDIO PRODUCTION 3.0

A fundamental workshop exploring the properties of sound as both a separate creative medium and as a supplemental tool for the visual image; studio and location recording, editing, and mixing.

Prerequisite: BDCS 101; Broadcasting majors only. Special fee.

BDCS 220 HOW TO WATCH TELEVISION 3.0

This course, open to both broadcasting majors and non-majors, is about analyzing television in the ways and to the extent to which it needs to be understood by its audience. The aim is for students to critically evaluate the role and impact of television in their lives as well as in the life of the culture. The means to achieve this aim is an approach that combines media theory and criticism with media education.

BDCS 250 SOUND DESIGN 3.0

This production-oriented class will explore the aesthetics and techniques of sound design for radio, television, and film. Students will analyze professional sound designs in these media and create their own using both analog and digital technology.

Prerequisites: BDCS 150; Broadcasting majors only. Special fee.

BDCS 251 TELEVISION PRODUCTION I 4.0

A workshop presenting the fundamentals of studio television production; opportunity to demonstrate creative potential through short studio productions; emphasis upon the idea, and principles of camera blocking.

Prerequisites: BDCS 140; BDCS 150; Broadcasting majors only; departmental approval. Special fee.

BDCS 252 TELEVISION PRODUCTION II 4.0

An intermediate workshop presenting opportunities for the production of programs of various types to be aired on cable outlets; introduction to EFP (electronic field production) and off-line post-production techniques; continued emphasis upon program concept.

Prerequisite: BDCS 251; Broadcasting majors only; departmental approval. Special fee.

BDCS 253 TELEVISION PRACTICUM 1.0

Students participate in a designated number of hours of television production for the closed circuit television facility as well as other production opportunities. May be repeated for a maximum of four credits.

Prerequisite: BDCS 251; Broadcasting majors only; departmental approval.

- BDCS 260**
HISTORY OF TELEVISION 3.0
 An examination of the history of television programming in the United States. Students view original programs that constitute some of the key moments in television history and assess their significance based on aesthetic, content-oriented, technological, sociological, and political-economic points of view.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 270**
SPECIAL TOPICS IN BROADCASTING 3.0
 This course is specifically intended for lower division (freshman and sophomore) students. It provides an umbrella to offer a variety of specialized, introductory level topics which do not justify establishing a permanent course. Examples of subjects to be addressed are: specialized trends in television programming; the history of television networks; television news; television in the courtroom; First Amendment issues as they relate to broadcasting; sports on television; the social impact of modern radio talk formats; and broadcast regulation. May be repeated for a maximum of nine credits.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 282**
MEDIA AND CULTURE 3.0
 The ways in which the broadcast media affect mass culture and consequently the values and mores of society; includes the history of mass culture and the mechanisms by which diverse forces of society (i.e., minority cultures, political trends or technological innovations) affect mass culture.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 293**
PROGRAMMING 3.0
 A structural and critical examination of broadcast and cable television programming, including program production/acquisition, scheduling, and evaluation. An overview of programming strategies and techniques, sources, genres, regulation, issues and trends.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 315**
POLITICAL BROADCASTING 3.0
 A survey of the history of political broadcasting beginning with radio and concentrating on television; analysis of the relationship between broadcasting and the political process, to include campaigning for office, the election and how broadcasting helps or hinders the art of governing.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 340**
INTRODUCTION TO MULTITRACK RECORDING 3.0
 This production course will introduce students to the concepts and production techniques used in multitrack recording. The class will explore the impact these techniques have had on music and sound design for television and film, as well as their creative use in a studio environment. Students will complete several recording projects as part of the course requirements.
Prerequisite: BDCS 150. Special fee.
- BDCS 350**
TELEVISION PRODUCTION III 4.0
 Advanced workshop providing opportunity for pre-professional level production for distribution off-campus; emphasis on selection of quality properties for production; introduction to on-line post-production techniques.
Prerequisites: BDCS 252; Broadcasting majors only; departmental approval. Special fee.
- BDCS 351**
CRAFT WORKSHOP 1.0-3.0
 Designated students work closely under the supervision of studio operations personnel/technicians to concentrate on the maintenance and operation of the DuMont Television Center facility. Opportunity for students to work intensively with advanced production hardware. May be repeated for a maximum of three credits.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 352**
POST-PRODUCTION WORKSHOP 3.0
 A hands-on workshop that is run in conjunction with BDCS 252, Television Production II. Students are introduced to the editing facilities of the DuMont Television Center and to production techniques in both audio and video editing and post-production that are designed to maximize their abilities to produce television programming.
*Prerequisite: BDCS 251.
 Corequisite: BDCS 252.*
- BDCS 353**
CHILDREN'S TELEVISION 3.0
 A survey of current children's productions and examination of research on their affect/effectiveness; work on class productions designed for children.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 360**
STATION MANAGEMENT 3.0
 Economic support patterns, evolution of broadcast programming; ascertainment of community needs; station promotion and advertising; legal and ethical issues relating to broadcasting.
Prerequisites: BDCS 101; Broadcasting majors only.
- BDCS 391**
INTERNATIONAL BROADCASTING 3.0
 This course will explore the history and development of broadcasting systems other than our own. Major broadcasting systems include England, Australia, Canada, Japan, Russia (and former Soviet Union satellites), France and Italy. The course will trace the effects of various political systems on the system of broadcasting, dealing with such issues as accessibility, privacy and freedom of speech. Students will examine the reasons for the demise of Radio Free Europe and other international broadcast services. The course will also address the effect of changing technologies on international communications (i.e., satellites, fiber optics, HDTV).
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 395**
ETHICS OF MASS COMMUNICATION 3.0
 A survey and analysis of major legal and ethical issues in broadcasting and mass communication.
Prerequisite: BDCS 101; Broadcasting majors only.
- BDCS 403**
INDEPENDENT STUDY 1.0-3.0
 Opportunity to obtain credit for independent research projects; students must obtain approval from the division coordinator before registration period for the semester of the independent study; generally not for production projects.
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
- BDCS 440**
ELECTRONIC JOURNALISM 3.0
 Practical training in gathering, writing and producing of news story packages for incorporation into a studio news show. Demonstration and application of ENG (electronic news gathering) techniques related to production.
Prerequisite: BDCS 101; Broadcasting majors only. Special fee.
- BDCS 450**
SENIOR SEMINAR IN BROADCASTING 3.0
 The course is designed to prepare students for the transition from student to working professional with an emphasis on writing, interviewing, networking, job availability and possibilities, and professional conduct. Guest speakers from the industry will provide advice for obtaining and maintaining employment.
Prerequisite: BDCS 350 or departmental approval.
- BDCS 470**
SPECIAL STUDIES IN BROADCASTING 3.0
 Various topics offered depending upon program needs and available professional part-time faculty. Usually deals with some professional aspects of the broadcast field or special study of the broadcast media. May be repeated for a maximum of 24 credits.
Prerequisites: BDCS 101; Broadcasting majors only. Special fee.

BDCS 480

TELEVISION PRODUCTION COMPANY

1.0-3.0

Senior level broadcast laboratory in which students function in some key role in a production unit which produces professional television production for distribution on- and off-campus. May be repeated for a maximum of nine credits.

Prerequisites: BDCS 101; Broadcasting majors only; departmental approval. Special fee.

BDCS 490

INTERNSHIP: BROADCASTING

4.0-16.0

Advanced students fulfill a portion of major requirements working for a professional or contract broadcasting-related company.

Prerequisite: BDCS 101; Broadcasting majors only; departmental approval.

BUSINESS ADMINISTRATION

SCHOOL OF BUSINESS

Dean: Alan J. Oppenheim

A Bachelor of Science degree is offered in Business Administration with concentrations in Accounting, Economics, Finance, International Business, Management, Management Information Systems (MIS), Marketing, Quantitative Methods, and Retail Merchandising and Management. Please refer to the index for specific page numbers for the concentrations.

APPLICATIONS TO THE SCHOOL OF BUSINESS

A student may apply directly to the B.S. in Business Administration as a first year applicant or as a transfer student (see below). If the student is not admitted to MSU as a Business Administration major, he or she may change to that major by satisfying certain requirements (see "Changing Major to Business Administration" below).

Please note: Regardless of the number of semester hours taken, if the student does not satisfy the School of Business (SBUS) eligibility requirements, it will not be possible to earn the B.S. in Business Administration degree.

Students interested in majoring in Business Administration are encouraged to fulfill these requirements and apply as soon as possible, to ensure that any courses taken in Business will apply to the degree program.

TRANSFER APPLICATIONS - BUSINESS ADMINISTRATION

About one-third of the students entering MSU have attended another college or university. To apply for direct admission as a Business Administration major, transfer applicants must have earned at least 15 credits at an accredited college or university, with a grade point average (GPA) of 2.75 or better; they also must have a 2.75 GPA in authorized equivalents of the four (4) courses listed below. *Please carefully note the effective date(s) as these requirements have changed as of fall 2002.*

If a student has not met all these requirements upon application, he or she may be admitted to MSU as "Undeclared," or in another major, and then apply to the SBUS as follows:

CHANGING MAJOR TO BUSINESS

To be eligible to change a major to Business Administration, the following criteria must be met:

- Completion of at least 12 semester hours at MSU, with an overall GPA of at least 2.75.
- At least a 2.75 GPA in the four (4) specific courses listed below, according to the date of MSU admission. *Please carefully note the effective date(s), as these requirements have changed as of fall 2002.*
- If a students' overall GPA is 3.25 or better, a 2.75 GPA in three (3) of these courses - one from each area is required.

If a student began at Montclair State University as a first-year student **BEFORE fall 2002**, or as a transfer student **BEFORE January 2004**, the four (4) required courses are:

AREA 1 - take one or both:

MATH	113	Math for Business I: Linear Algebra
MATH	114	Math for Business II: Calculus

AREA 2 - take one or both:

ECON	101	Principles of Economics: Macro
ECON	102	Principles of Economics: Micro

AREA 3 - Anthropology, Psychology, or Sociology

If a student began at Montclair State University as a first-year student **AS OF/SINCE fall 2002**, or as a transfer student **AS OF/SINCE January 2004**, the four (4) required courses are:

	MATH	114	Math for Business II: Calculus
Either	ECON	101	Principles of Economics: Macro
or	ECON	102	Principles of Economics: Micro
Both*	ENWR	105	College Writing I: Intellectual Prose
and	ENWR	106	College Writing II: Writing and Literary Study

*(or 6 semester hours of authorized equivalents.)

Change of Major Application forms may be obtained from the SBUS Dean's office, Partridge Hall 454, or on the web at montclair.edu/business/changeofmajorint.shtml

Please note: A student may file the application while fulfilling these requirements. Courses limited to SBUS majors fill quickly, and the earlier the student applies and is accepted into the BS in Business Administration program, the likelier the student will be able to register for these courses.

For additional information and/or an appointment with the SBUS Transfer Advisor, call 973-655-4304.

Business Administration Major

Semester Hours

Required Core, Business Administration (33 s.h.)

ACCT	201	Fundamentals of Financial Accounting	3
ACCT	202	Fundamentals of Managerial Accounting	3
BSLW	264	Legal, Ethical and Global Environment of Business	3
FINC	321	Fundamentals of Finance	3
INFO	270	Statistics for Business	3
INFO	371	Management Information Systems	3
INFO	375	Operations Analysis	3
MGMT	231	Management Processes	3
MGMT	439	Business Policy	3
MKTG	240	Introduction to Marketing	3
MKTG	346	Introduction to International Business	3

Collateral Courses

ECON	101	Principles of Economics: Macro	3
ECON	102	Principles of Economics: Micro	3
INFO	273	Introduction to Computers in Business	3
MATH	114	Mathematics for Business II: Calculus	3

Required Concentration Courses (12-18 s.h.)

Major/Concentration Electives (9-15 s.h.)

Other Electives (depending on the concentration)

CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Marc Kasner

The Chemistry and Biochemistry Department offers two majors leading to the degree of Bachelor of Science, Chemistry and Biochemistry. A student who chooses the chemistry major can prepare for graduate study in chemistry or biochemistry, professional employment, professional education in fields related to science, or teacher certification. The courses meet the undergraduate criteria established by the American Chemical Society (ACS). The chemistry major is included in the ACS list of approved programs. The student can complete ACS requirements and be certified to the Society upon graduation.

The student who chooses the biochemistry major will emerge with a strong background in the basic sciences and mathematics as well as biochemistry and will qualify for graduate study in biochemistry or professional employment. With appropriate elective course selections, students in either major can satisfy the requirements for pre-health professional programs (pre-medical, pre-dental or pre-chiropractic).

The curriculum is designed for students who have had high school chemistry, biology and physics, as well as four years of high school mathematics.

The department sponsors a challenging honors program for chemistry majors with outstanding academic records (at least 3.70 grade point average), an undergraduate research program, and offers cooperative education work experiences. Those interested should see the department chairperson for information.

Chemistry Major

Required Courses

	Semester Hours
CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CHEM 230 Organic Chemistry, I	3
CHEM 231 Organic Chemistry, II	3
CHEM 232 Experimental Organic Chemistry I	2
CHEM 233 Experimental Organic Chemistry II	2
CHEM 310 Analytical Chemistry	5
CHEM 311 Instrumental Analysis	4
CHEM 340 Physical Chemistry I	3
CHEM 341 Physical Chemistry II	3
CHEM 343 Experimental Physical Chemistry	2
CHEM 470 Biochemistry I	3
CHEM 495 The Chemical Literature	1

Collateral Courses

Two Mathematics courses:

MATH 122 Calculus I	4
MATH 221 Calculus II	4

Two Physics courses:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Electives (Major)

Select 6 semester hours from among the following:

CHEM 320 Environmental Chemical Analysis	3
CHEM 410 Advanced Quantitative Analysis	4
CHEM 422 Experimental Inorganic Chemistry*	3
CHEM 423 Advanced Inorganic Chemistry	3
CHEM 430 Advanced Organic Chemistry	3
CHEM 440 Advanced Physical Chemistry	3
CHEM 471 Biochemistry II	3
CHEM 472 Experimental Biochemistry	2
CHEM 490 Selected Topics in Chemistry	3
CHEM 498 Senior Laboratory*	3
CHEM 499 Undergraduate Research*	1-3

*No more than 3 semester hours of laboratory coursework marked by * may be counted in the six hours of chemistry electives.

Chemistry Minor

Required Courses

	Semester Hours
CHEM 120, 121 General Chemistry I, II	8
CHEM 230, 231 Organic Chemistry I, II	6
CHEM 232, 233 Experimental Organic Chemistry I, II	4
Select one (a, b, c, or d):	
a.CHEM 310 Analytical Chemistry	5
b.CHEM 340 Physical Chemistry I	3
CHEM 343 Experimental Physical Chemistry	2
c.CHEM 423 Advanced Inorganic Chemistry	3
CHEM 422 Experimental Inorganic Chemistry	3
d.CHEM 470 Biochemistry I	3
CHEM 472 Experimental Biochemistry	2

Biochemistry Major

Required Courses

	Semester Hours
CHEM 120, 121 General Chemistry I, II	8
CHEM 230, 231 Organic Chemistry I, II	6
CHEM 232, 233 Experimental Organic Chemistry I, II	4
CHEM 310 Analytical Chemistry	5
OR	
CHEM 311 Instrumental Analysis	4
CHEM 340 Physical Chemistry I	3
CHEM 341 Physical Chemistry II	3
CHEM 470 Biochemistry I	3
CHEM 471 Biochemistry II	3
CHEM 472 Experimental Biochemistry	2
CHEM 473 Instrumental Biochemistry Laboratory	3
CHEM 496 Biochemical Literature	1

Collateral Courses

Four Biology Courses:

BIOL 230 Cell and Molecular Biology	4
BIOL 350 Microbiology	4
BIOL 380 Genetics	4
BIOL 434 Introductory Molecular Biology	3

Two Mathematics Courses:

MATH 122 Calculus I	4
MATH 221 Calculus II	4

Two Physics Courses:

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Special Program Requirements

	Semester Hours
B.S. in Chemistry with American Chemical Society Certification	10

In addition to completing the requirements for the Chemistry major, students who complete the requirements below will be certified by the American Chemical Society on Professional Training:

1. One of the following courses:*

CHEM 410 Advanced Quantitative Analysis	3
CHEM 430 Advanced Organic Chemistry	3
CHEM 440 Advanced Physical Chemistry	3

2. CHEM 423 Advanced Inorganic Chemistry

3. One of the following:

CHEM 422 Experimental Inorganic Chemistry	3
CHEM 498 Senior Laboratory	3
CHEM 499 Undergraduate Research	(minimum) 3

*Courses used to fulfill the elective requirement for the chemistry major cannot also be used to fulfill requirement #1 for ACS Certification. This restriction does not apply to ACS Certification requirements #2 and #3. Completion of ACS Certification requirements will, therefore, add from 3 to 9 s.h.'s to the 61 s.h.'s required for completion of the B.S. in Chemistry.

Honors Program in Chemistry

Chemistry majors can apply for admission to the honors program in chemistry during their sophomore or junior years. Students accepted into the program will be required to take (in addition to the regular chemistry major) the following courses:

	Semester Hours
CHEM 491 Honors Seminar in Chemistry	2
CHEM 492 Honors Thesis in Chemistry	2

Interested students should contact the department chairperson.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the Chemistry and Biochemistry Department.

Courses of Instruction

CHEM 100	
INTRODUCTORY CHEMISTRY	4.0
An introductory lecture and laboratory course in modern chemistry for non-science majors. Topics include plastics, pesticides, food additives, fuels, drugs, water and air pollutants, nuclear energy and modern materials. Meets Gen Ed 2002-Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)-Natural/Physical Science, Laboratory or Non-Laboratory Science.	
<i>Prerequisite: Special fee.</i>	
CHEM 107	
COLLEGE CHEMISTRY I	2.0
Introductory chemistry course for non-science majors. Fundamentals of inorganic chemistry.	
CHEM 108	
COLLEGE CHEMISTRY II	2.0
Introductory chemistry course for non-science majors. Fundamentals of organic and biochemistry.	
<i>Prerequisite: CHEM 107.</i>	
CHEM 109	
COLLEGE CHEMISTRY LABORATORY I	1.0
Laboratory work to reinforce basic concepts of inorganic chemistry. Taken concurrent with CHEM 107 or CHEM 111.	
<i>Corequisite: CHEM 107 or CHEM 111. Special fee.</i>	
CHEM 110	
COLLEGE CHEMISTRY LABORATORY II	1.0
Laboratory work to reinforce basic concepts of organic chemistry and biochemistry. Taken concurrent with CHEM 108 or CHEM 112.	
<i>Prerequisite: CHEM 109. Special fee.</i>	
<i>Corequisite: CHEM 108 or CHEM 112.</i>	
CHEM 111	
ELEMENTS OF CHEMISTRY I	3.0
Basic concepts of general chemistry for non-science majors. This course goes into greater depth than CHEM 107 and is required for Food and Nutrition majors.	
CHEM 112	
ELEMENTS OF CHEMISTRY II	3.0
A study of human biochemistry with emphasis on biomolecules, metabolism, and bioenergetics.	
<i>Prerequisite: CHEM 111.</i>	

CHEM 120	
GENERAL CHEMISTRY I	4.0
Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to atomic and molecular structure, bonding, stoichiometry, states of matter, solutions, and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems. Meets the 1983 General Education Requirement (GER)-Natural/Physical Science, Laboratory or Non-Laboratory Science.	
<i>Prerequisite: One year high school chemistry. Special fee.</i>	
CHEM 121	
GENERAL CHEMISTRY II	4.0
Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to thermochemistry, kinetics; general acid base, precipitation, redox equilibria, electrochemistry and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems.	
<i>Prerequisite: CHEM 120. Special fee.</i>	
CHEM 130	
FUNDAMENTALS OF ORGANIC CHEMISTRY	4.0
Survey of organic chemistry covering all major classes, nomenclature, and characteristic class reactions. (3 hours lecture, 2 hours laboratory.)	
<i>Prerequisite: CHEM 107 or CHEM 111 and CHEM 109. Special fee.</i>	
CHEM 190	
FRESHMAN SEMINAR IN CHEMISTRY	1.0
An experience for freshmen majoring in chemistry and biochemistry that will help them to succeed in their major by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002 - New Student Seminar.	
CHEM 195	
PROBLEM SOLVING-GENERAL CHEMISTRY	1.0
Course designed to help students in application of mathematics in chemistry with emphasis on individual needs.	
CHEM 199	
LABORATORY PROJECT	1.0-3.0
Independent laboratory work in chemistry under the guidance of a faculty mentor. May be repeated up to six times for a maximum of six credits.	
<i>Prerequisite: CHEM 120 or equivalent and departmental approval. Special fee.</i>	
CHEM 230	
ORGANIC CHEMISTRY I	3.0
Structure and bonding in organic compounds; nomenclature, reactions, properties, and aromatic compounds; stereochemistry; structure analysis by IR, NMR, UV, and MS; introduction to molecular orbital theory.	
<i>Prerequisite: CHEM 121.</i>	
CHEM 231	
ORGANIC CHEMISTRY II	3.0
Nomenclature, reactions, properties, and synthesis of ethers, epoxides, alcohols, amines, and carbonyl compounds; carbohydrates; amino acids, peptides and proteins; pericyclic reactions; synthetic polymers.	
<i>Prerequisite: CHEM 230.</i>	
CHEM 232	
EXPERIMENTAL ORGANIC CHEMISTRY I	2.0
A laboratory course to be taken concurrently with CHEM 230. Basic techniques for the separation, analysis and synthesis of organic compounds: recrystallization, distillation, extraction, GC, HPLC, TLC, GC/MS, IR, H/C13-NMR, chemical safety methods and regulations.	
<i>Prerequisite or corequisite: CHEM 230. Special fee.</i>	
CHEM 233	
EXPERIMENTAL ORGANIC CHEMISTRY II	2.0
A laboratory course to be taken concurrently with CHEM 231 and after completion of CHEM 232. Basic techniques for organic synthesis, mechanistic studies, separation and analysis, and chemical safety: multistep syntheses, spectral data-base searching, phase-transfer catalysis, anhydrous procedures, analysis of unknowns by wet-chemical and spectral methods.	
<i>Prerequisite or corequisite: CHEM 232. Special fee.</i>	

CHEM 270		
FUNDAMENTALS OF BIOCHEMISTRY	5.0	
Structure and function of the biomolecules and the metabolic interrelationships in the cell. Primarily for Food and Nutrition majors.		
<i>Prerequisite: CHEM 130. Special fee.</i>		
CHEM 310		
ANALYTICAL CHEMISTRY	5.0	
Introduction to concepts of classical analytical chemistry including evaluation of data and apparatus, theory and application of volumetric and gravimetric methods and redox equilibrium, and introduction to electrical methods.		
<i>Prerequisites: CHEM 231 and 233. Special fee.</i>		
CHEM 311		
INSTRUMENTAL ANALYSIS	4.0	
Introduction to application of instrumental methods of analytical chemistry. Instrument techniques studied will include spectrophotometry, electroanalytical chemistry, chromatography, nuclear magnetic resonance and mass spectrometry. Theory and application will be examined in lecture and laboratory.		
<i>Prerequisites: CHEM 310 and 340. Special fee.</i>		
CHEM 320		
ENVIRONMENTAL CHEMICAL ANALYSIS	3.0	
A study of the sources, reactions, transport, effects, and fates of chemical species in the environment. Lecture and lab will stress the theory, methodology, techniques, and instrumentation for air, water and soil analysis for contaminants. (Two hours lecture, two hours laboratory.)		
<i>Prerequisite: CHEM 230 and 232. Special fee.</i>		
CHEM 325		
ATMOSPHERIC CHEMISTRY	3.0	
Atmospheric chemistry of the major pollutants of concern in today's environment, the emission sources, air/water and air/soil partitioning and exchange, atmospheric transport pathway, transformation processes (biological degradation, hydrolysis, photochemical transformations), deposition processes, pollutant chronic and acute health impacts, prevention and regulation. Course requirements: 2 field trips.		
<i>Prerequisites: CHEM 230 and CHEM 232.</i>		
CHEM 340		
PHYSICAL CHEMISTRY I	3.0	
Thermodynamics, homogeneous and heterogeneous equilibria, gases, electrochemistry, solutions, colligative properties.		
<i>Prerequisites: CHEM 231 and PHYS 192 and MATH 221.</i>		
CHEM 341		
PHYSICAL CHEMISTRY II	3.0	
Kinetics, photochemistry, molecular physical chemistry.		
<i>Prerequisites: CHEM 340 and PHYS 192 and MATH 221.</i>		
CHEM 343		
EXPERIMENTAL PHYSICAL CHEMISTRY	2.0	
A laboratory course to be taken concurrently with CHEM 341. Application and experience with experimental techniques of physical chemistry. Students will perform experiments in calorimetry, measurement of thermodynamic variables, electro-chemical phenomena and kinetics. Analysis of experimental data, statistics and applications of microcomputers will be included. Meets the University Writing Requirement for CHEM majors.		
<i>Prerequisites: CHEM 231 and 340 and MATH 221 and PHYS 192. Special fee.</i>		
<i>Corequisite: CHEM 341.</i>		
CHEM 422		
EXPERIMENTAL INORGANIC CHEMISTRY	3.0	
Experience utilizing a broad selection of modern techniques for the synthesis, characterization, and chemistry of inorganic compounds. Subjects covered will include catalysis, reaction mechanisms, and use in organic synthesis.		
<i>Prerequisite: CHEM 310. Special fee.</i>		
CHEM 423		
ADVANCED INORGANIC CHEMISTRY	3.0	
Physical basis of bonding and reactivity of inorganic compounds. Electronic structure of atoms, ionic and covalent bonding, symmetry properties, chemistry and structure of transition metal compounds, organometallic chemistry, introduction to solid-state structures.		
<i>Prerequisite or corequisite: CHEM 340.</i>		
CHEM 430		
ADVANCED ORGANIC CHEMISTRY	3.0	
Consideration of structural and electronic theories which form the basis of organic chemistry.		
<i>Prerequisite: CHEM 231.</i>		
CHEM 440		
ADVANCED PHYSICAL CHEMISTRY	3.0	
Quantum mechanics, bonding theory, atomic structure, statistical thermodynamic calculations.		
<i>Prerequisites: MATH 420 and CHEM 341.</i>		
CHEM 470		
BIOCHEMISTRY I	3.0	
Organization of the living cell; structure, function and chemistry of proteins, carbohydrates and lipids; bioenergetics and oxidation.		
<i>Prerequisite: CHEM 231.</i>		
CHEM 471		
BIOCHEMISTRY II	3.0	
The second semester of a two semester course in biochemistry. The course continues the coverage of the chemistry of proteins, carbohydrates, lipids, and nucleic acids, and their role in cellular function and processes. Topics such as the chemistry of hormones, recombinant DNA, mechanisms of enzyme action, protein synthesis, immunoglobulins and membranes are included.		
<i>Prerequisite: CHEM 470.</i>		
CHEM 472		
EXPERIMENTAL BIOCHEMISTRY	2.0	
Laboratory studies of carbohydrates, lipids, and proteins, enzyme action, enzyme purification, electrophoresis, biochemical applications of spectroscopy.		
<i>Prerequisites: CHEM 231 and 232. Special fee.</i>		
<i>Corequisite: CHEM 470.</i>		
CHEM 473		
INSTRUMENTAL BIOCHEMISTRY LABORATORY	3.0	
A second semester biochemistry laboratory course which emphasizes modern instrumental techniques in use in the field of biochemistry. Experiments will include use of uv/vis spectrophotometer for enzyme kinetics, ultracentrifugation, liquid scintillation counting, fluorescence spectrophotometry, electrophoresis, and high performance liquid chromatography.		
<i>Prerequisites: CHEM 470 and 472. Special fee.</i>		
<i>Corequisite: CHEM 471.</i>		
CHEM 490		
SELECTED TOPICS IN CHEMISTRY	2.0-3.0	
In-depth study of a modern aspect of chemistry.		
<i>Prerequisite: CHEM 231.</i>		
CHEM 491		
HONORS SEMINAR IN CHEMISTRY	2.0	
Seminars and discussions on selected areas in chemistry under faculty guidance for students enrolled in the honors program in chemistry.		
<i>Prerequisites: Admission to the honors program in chemistry or permission of the chemistry honors committee.</i>		
CHEM 492		
HONORS THESIS IN CHEMISTRY	2.0	
Preparation and oral presentation of a comprehensive written thesis in chemistry under guidance of a faculty mentor for completion of the honors program in chemistry.		
<i>Prerequisite: CHEM 491.</i>		
CHEM 495		
THE CHEMICAL LITERATURE	1.0	
Introduction to manual and computer-assisted searching of the chemical literature. Includes an individual laboratory project, submission of a written project report, and presentation of a seminar. Meets the University Writing Requirement for CHEM majors.		
<i>Prerequisites: CHEM 232.</i>		
<i>Corequisite: CHEM 233.</i>		

CHEM 496

BIOCHEMISTRY LITERATURE

1.0

Introduction to searching the biochemistry literature including computerized searches and exploration of on-line journals and interesting internet sites. After becoming familiar with modern methods of information retrieval, students will conduct individual literature searches and do a group presentation.

Prerequisite: CHEM 470.

Corequisite: CHEM 471.

CHEM 498

SENIOR LABORATORY

3.0

Multi-disciplinary laboratory study of the synthesis, separation, and characterization of chemical compounds.

Prerequisite: CHEM 311, and 341, and 343. Special fee.

CHEM 499

UNDERGRADUATE RESEARCH

1.0-3.0

Laboratory research on a specific problem in chemistry under guidance of a faculty mentor.

Prerequisites: CHEM 233 and departmental approval. Special fee.

CLASSICS AND GENERAL HUMANITIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Timothy Renner

Classics and General Humanities examine the culture, ideas, and values of earlier Western and related civilizations both in their original time periods and as they have been appropriated and transmuted by later cultures, especially American. The common goals of these programs are to develop a sense of how to conduct critical inquiry into past cultures and modern manifestations of their ideas and values; to impart a feeling for the recurring patterns but also enormous diversity of human culture; and to explore how past cultures form the basis for modern cultures and cultural attitudes.

The major and minor in Classics are broad programs in ancient civilization which study the history, languages, literature, philosophy art, religion, and daily life of the ancient Mediterranean world as seen through texts and artifacts. The major and minor in Latin emphasize the study of literature in the original language; the major requires study of Greek as well. The Latin (Teacher Education) major leads to certification to teach Latin and Classics in New Jersey secondary schools. The Greek minor emphasizes mastery of classical Greek and reading literature in the language. Additionally, the department is a cosponsor, together with the departments of Anthropology and Fine Arts, of the Archaeology minor. Its archaeologists participate in the work of the Center for Archaeological Studies. (Refer to index for page number for the Archaeology Minor.)

The programs in Classics and General Humanities are interdisciplinary liberal arts concentrations which provide ideal preparation for careers in business, for professions such as law and medicine, and for graduate work in humanities and social sciences. (Note: Students who intend to do graduate work in classical studies may need additional language study and should consult with the department.)

Classics Major

Required Courses

	Semester Hours
GNHU 281 Greek Civilization	3
GNHU 282 Roman Civilization	3

Electives (Major)

A. Select 5 courses from Latin (LATN) and Greek (GREK), including at least one course at the 200 level or above*	15
B. Select 12 semester hours (including at least two classical studies topics courses) from the appropriate list to be obtained from the department	12
Total Semester Hours:	33

General Humanities Major

Please refer to the table of contents or index for the page number of this interdisciplinary major.

Latin Major

Required Courses

	Semester Hours
GREK 101,112 Beginning Greek I, II	6
6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age*	18
* Latin courses at the 200 level and above are taught on a four-year cycle.	

Electives (Major)

Select 3 courses from departmental list. GNHU 281 Greek Civilization, GNHU 282 Roman Civilization, and other GNHU courses dealing with ancient history, archaeology, and classical civilization are especially recommended	9
Total Semester Hours:	33

Latin Major (Teacher Education)

Required Courses

6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age*	18
LATN 419 Methods of Teaching Latin	3
* Latin courses at the 200 level and above are taught on a four-year cycle.	

Electives (Major)

Select 4 courses from departmental list (GREK 101, 112 Beginning Greek I, II; GNHU 281 Greek Civilization; and GNHU 282 Roman Civilization are especially recommended)	12
--	----

Total Semester Hours: 33

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Latin

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Latin Minor

Students will take 18 semester hours in Latin language and literature (LATN), to be chosen in consultation with a faculty advisor from the department.

Greek Minor

Students will take 18 semester hours in Greek language and literature (GREK), to be chosen in consultation with a faculty advisor from the department.

Classics Minor

Students will take 18 semester hours in the department. A list of recommended courses may be obtained from the department.

Courses of Instruction

Classical Civilization and General Humanities (All courses taught in English)

GNHU 115	
TROY AND THE TROJAN WAR	3.0
For more than 3,000 years the story of the Trojan War has fascinated and attracted people throughout the world. Is the war completely "mythical?" How can different disciplines such as archaeology, linguistics, and the literature be combined to shed light on the historical reality that may lie behind the story as it first appears in Homer? How have the art and literature of other cultures, such as the Romans, the European Middle Ages, or the modern culture of television and movies interpreted and reused the story of Troy, and what can this adaptation tell us about these cultures. Meets Gen Ed 2002-Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)-Humanities, World Literature or General Humanities.	

GNHU 176	
ITALIANS AND ITALIAN AMERICANS: COMPARATIVE STUDIES	3.0
This course shows the relationship between the Italian and Italian-American experiences. It deals with aspects of religion, politics, language, work and moral codes. Comparisons are made with the experiences of other ethnic groups in America. The course is taught with an inter-disciplinary approach. Taught in English. Not for major credit. Cross listed with Spanish and Italian, ITAL 275; Educational Foundations, EDFD 176. Meets the 1983 General Education Requirement (GER)- Contemporary Issues.	

- GNHU 181**
INTRODUCTION TO CLASSICAL ARCHAEOLOGY 3.0
 The science of evaluating Greco-Roman and closely related cultures through observation and analysis of their physical remains. Problems and methods of dating artifacts and sites. Building materials, types, and decorations. Field trip in addition to illustrated lectures and discussions. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
- GNHU 182**
ENGLISH VOCABULARY: CLASSICAL ROOTS 3.0
 Systematic development of the student's knowledge of English vocabulary through study of the most important Greek and Latin roots, prefixes, suffixes, and other elements and the ways in which they are used to form words in English.
- GNHU 201**
GENERAL HUMANITIES I (TO 1400) 3.0
 A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities. Meets the University Writing Requirement for GHUM majors.
- GNHU 202**
GENERAL HUMANITIES II (FROM 1400) 3.0
 A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities. Meets the University Writing Requirement for GHUM majors.
- GNHU 211**
CLASSICISM AND AMERICAN CULTURE 3.0
 Through the critical analysis of texts ranging from translations of Greco-Roman authors to works on the nature of Western and non-Western culture, the course examines how politicians, novelists, critics, and educators from the 17th century to the present have interpreted the classical past and have viewed it as reflecting their own values or ideals. The course considers classicism both as it has been appropriated and elaborated by Americans specifically and as a phenomenon common to many cultures. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
- GNHU 217**
READING ASIAN CULTURES 3.0
 This course is an introduction to a wide range of cultural traditions across Asia, as seen through a spectrum of cultural objects. Particular emphasis will be given to the cultural accomplishments of China, Japan, and India, and these will be read in their cultural and historical contexts. Students can expect to read poetry, drama, and prose, view a variety of art forms, and listen to musical styles from ancient, medieval, and modern periods. Students will learn to appreciate and analyze complex cultural objects, as well as the traditions behind them. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- GNHU 281**
GREEK CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman conquest as seen through literary, documentary and archaeological sources. Cross listed with History, HIST 281. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History. Meets the University Writing Requirement for CLAS majors.
- GNHU 282**
ROMAN CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary, and archaeological sources. Cross listed with History, HIST 282. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History.
- GNHU 283**
WOMEN, GENDER, AND SEXUALITY IN THE ANCIENT WORLD 3.0
 This course uses women, gender, and sexuality to model a broad, cross-disciplinary, and issue-oriented approach to ancient societies. Students will examine cultural and historical objects, such as historical and philosophical works, inscriptions, and graffiti. They will view monuments and artifacts. They will learn how to approach complex cultural objects and understand how social constructions of gender affected and reflected the lives of women and men in ancient Greece, Rome, and the Near East.
- GNHU 285**
MYTHOLOGY 3.0
 The nature and interpretation of mythology, primarily as seen through the myths of Greece and Rome. Selected comparative study of myths of the Near East, Iran, India and other cultures. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
- GNHU 289**
FRANCOPHONE FILM 3.0
 This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to postcolonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FREN 289 and FRIN 289. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- GNHU 290**
SELECTED TOPICS IN GREEK AND ROMAN LITERATURE AND CULTURE 3.0
 This course will examine topics that involve the interrelationships between the literature and the culture of Greece and Rome, including that of the Roman Empire broadly understood. It will focus on how literary texts arise from, interact with, explain and critique their cultures and the productions of those cultures, such as art, architecture, rhetoric, sports, politics. This course may be repeated twice for a total of 9 credits.
- GNHU 293**
RUSSIAN CULTURE AND CIVILIZATION 3.0
 The history of Russian culture from the early stages of Slavic civilization to the contemporary post-Soviet Russian Federation. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. (Taught in English.) Cross listed with French, German, and Russian, GRIN 293. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- GNHU 332**
SELECTED TOPICS IN ANCIENT HISTORY (GREECE, ROME, WESTERN ASIA, NORTH AFRICA, EUROPE) 3.0
 Courses offered under this selected topics rubric examine specific periods and issues concerning Mediterranean, western Asian, and European political, cultural, social and economic history from the Bronze Age to the Late Antique. May be repeated twice for a total of nine credits. Cross listed with History, HIST 332.
- GNHU 361**
SELECTED TOPICS IN MEDITERRANEAN ARCHAEOLOGY 3.0
 The course consists of in-depth study of the archaeological evidence for a selected period, region, or other thematic topic within the ancient Mediterranean world broadly defined. Special attention will be given to the role which archaeology plays in reconstructing the history of past cultures and to the Mediterranean archaeologist's frequent need to reconcile ancient written evidence with archaeologically obtained data.

GNHU 362**FIELD METHODS IN MEDITERRANEAN ARCHAEOLOGY 3.0**

This course is a practical introduction to how archaeology is conducted in the field at an ancient site in the Mediterranean world. Students learn basic techniques of surveying, digging, artifact removal and processing, and on-site record keeping as well as the overall organization of an archaeological project in the field. The course is given on-site at an appropriate excavation location. *Prerequisite: One of the following: A previous course in some aspect of Mediterranean archaeology; previous archaeological fieldwork experience; or departmental approval.*

GNHU 370**READING SEMINAR IN MEDITERRANEAN ARCHAEOLOGY 3.0**

Directed study based on intensive reading of current literature focused on a region, a problem, or a theoretical issue in Mediterranean archaeology. Students are normally expected to have a background which includes at least one archaeology course. With department approval, may be repeated once for credit.

GNHU 384**INTRODUCTION TO ROMAN LAW 3.0**

The role of law in Roman history and society. Social structure and family law. The law and slavery. Property, contracts, and delicts. Legal forms, legal fictions, and the response of law to new conditions. Roman law in the Medieval and Modern periods.

GNHU 391**COOPERATIVE EDUCATION FOR THE LIBERAL ARTS 4.0-8.0**

The aim of this course is to provide liberal arts students with the opportunity to apply their academic knowledge and skills in a professional setting. To meet this aim, the course combines supervised employment experience with seminars and writing assignments. Seminar discussion topics include the meaning of work and success; relationships with co-workers and supervisors; ethical issues in the workplace; problem-solving experiences; the importance of career role models; and the student's changing perceptions of the workplace. *Prerequisites: Completion of 45 credits prior to enrollment with a minimum grade point average of 2.0; permission of the Office of Cooperative Education.*

GNHU 470**SEMINAR IN CLASSICAL HUMANITIES 3.0**

Topic to be selected according to faculty and student interest and developed through an interdisciplinary approach.

GNHU 480**INDEPENDENT STUDY IN GENERAL HUMANITIES 1.0-4.0**

Directed independent study and research in General Humanities. May be elected in lieu of GNHU 499, *Senior Humanities Seminar*, in years when the seminar is not being offered.

Prerequisite: Departmental approval.

GNHU 499**SENIOR HUMANITIES SEMINAR 4.0**

A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem rising from his or her concentration.

Prerequisite: Senior standing as a General Humanities major.

Greek**GREK 101****BEGINNING GREEK I 3.0**

The fundamentals of ancient Greek grammar. Reading of simple texts. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

GREK 112**BEGINNING GREEK II 3.0**

The continuation of Beginning Greek I. The fundamentals of grammar and reading of selected texts. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

GREK 121**INTERMEDIATE GREEK I 3.0**

Review of grammar. Selected readings from Greek prose and poetry. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

GREK 132**INTERMEDIATE GREEK II 3.0**

Review of grammar. Selected readings from Greek prose and poetry. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

GREK 261**GREEK NEW TESTAMENT 3.0**

Selected readings from the New Testament with attention to historical context and to the nature and development of Koine Greek.

GREK 262**GREEK EPIC POETRY 3.0**

Representative selections from the Iliad and Odyssey. Homer as an oral poet.

GREK 351**ATTIC ORATORS 3.0**

Representative works of Lysias, Isocrates, Demosthenes, and others. The orators as stylists and as a source for political and social history.

GREK 352**GREEK TRAGEDY 3.0**

Selected plays of Aeschylus, Sophocles, and Euripides. The metrics, style, themes, and structure of Attic tragedy. The influence of the Greeks on Western drama.

GREK 361**GREEK HISTORIANS 3.0**

Readings from Herodotus, Thucydides, and Xenophon. The development of Greek historiography as a literary genre and as a medium for reporting events.

GREK 390**SELECTED READINGS IN ANCIENT GREEK 3.0**

Intensive reading and critical study of one or more selected authors, genres, texts or periods of ancient Greek that is not covered by a regular course. With different topics may be taken three times for a total of nine credits.

GREK 451**GREEK PHILOSOPHERS 3.0**

Selected readings, especially from Plato's Dialogues concerning the trial and death of Socrates. The Greek philosophical tradition and its development in the archaic and classical periods.

Latin**LATN 101****BEGINNING LATIN I 3.0**

The fundamentals of classical Latin grammar. Reading of simple Latin texts. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

LATN 112**BEGINNING LATIN II 3.0**

The continuation of *Beginning Latin I*. Fundamentals of Latin grammar and reading of selected texts. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

LATN 121**INTERMEDIATE LATIN I 3.0**

Review of grammar. Selected readings from Latin prose and poetry. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

- LATN 132**
INTERMEDIATE LATIN II 3.0
 Review of grammar. Selected readings from Latin prose and poetry. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- LATN 201**
LATIN LITERATURE OF THE REPUBLIC 3.0
 A historical survey of the highlights of Latin literature from its beginnings to the death of Cicero. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language. Meets the University Writing Requirement for LATN majors.
- LATN 202**
LATIN LITERATURE OF THE GOLDEN AGE 3.0
 A historical survey of the highlights of Latin literature from the second triumvirate through the early Julio-Claudian period. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language. Meets the University Writing Requirement for LATN majors.
- LATN 203**
LATIN LITERATURE OF THE SILVER AGE 3.0
 A historical survey of the highlights of Latin literature from the Neronian period through the second century of the Christian era. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language. Meets the University Writing Requirement for LATN majors.
- LATN 204**
LATIN LITERATURE OF THE MIDDLE AGES 3.0
 The highlights of Latin literature from the disintegration of the Roman Empire in the West to the beginning of the Renaissance. Selections from poetry, history, philosophy, theology, and popular literature will be read with attention to style, development of the language, and historical context. Meets the University Writing Requirement for LATN majors.
- LATN 251**
ROMAN LETTER WRITING 3.0
 The public figure and the private citizen seen through the letters of Cicero and Pliny. The letters as evidence for Roman political and social history.
- LATN 252**
ROMAN DRAMA 3.0
 Selected comedies of Plautus and Terence with attention to style, form, dramatic technique, and literary ancestry. The influence of Roman comedy on subsequent European drama.
- LATN 253**
THE EPIC AND VERGIL 3.0
 Readings primarily from the Aeneid but including selections from the Georgics and Eclogues. Vergil as a literary artist and his role in the development of the epic in Western literature.
- LATN 254**
ROMAN LYRIC POETRY 3.0
 Readings from the lyrics of Catullus and Horace, with particular emphasis on style, themes, and metrics.
- LATN 255**
OVID 3.0
 Selections from Ovid's works, principally the *Metamorphoses*, *Ars Amatoria*, *Amores*, and *Heroides*. Ovidian style, humor, and use of literary myth. Ovid's influence on literature and the arts.
- LATN 261**
ROMAN BIOGRAPHY 3.0
 The biography as a genre: selected passages from Sallust, Tacitus, Suetonius; contrasting these works with autobiographical evidence from the letters and excerpts of other Latin authors.
- LATN 284**
CICERO AND ANCIENT PHILOSOPHY 3.0
 Cicero's philosophical essays with special attention to his role as a transmitter of Greek philosophy to the Roman and later Western world.
- LATN 310**
LATIN COMPOSITION 3.0
 Practice in writing Latin prose in conjunction with review of grammar. Readings in selected Latin authors with a view toward acquiring familiarity with different prose styles.
- LATN 351**
ROMAN HISTORIANS 3.0
 Selected readings from Sallust, Livy, and Tacitus. The development of Roman historiography in the context of Roman history and the Greek historiographical background.
- LATN 419**
METHODS OF TEACHING LATIN 3.0
 The history of methodology together with new approaches and techniques. The development of a Latin curriculum, including evaluation of textbooks and construction of lesson plans, reviews, and tests.
- LATN 478**
ADVANCED LATIN READINGS: SELECTED TOPICS 3.0
 Intensive reading and critical study of a selected author, genre, period, or theme in Latin literature. Topic to be announced each semester. May be repeated for credit with different topics.

COMMUNICATION SCIENCES AND DISORDERS

COLLEGE OF HUMANITIES AND
SOCIAL SCIENCES

Chairperson: Claire F. Taub

For Prospective Students:

The undergraduate program in communication sciences and disorders is no longer offered. The Certificate of Clinical Competence of the American Speech-Language-Hearing Association and the NJ licenses in Speech-Language Pathology require the completion of a master's degree. Prospective students are urged to attend Montclair State at the undergraduate level and then matriculate for the master's degree. The master's degree is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Any undergraduate major can serve as a foundation for master's degree work. Students who wish to enter the field of speech-language pathology must have transcript credit (which could include course work, advanced placement, CLEP, or examination of equivalency) for each of the following areas: biological sciences, physical sciences, social/behavioral sciences, and mathematics. Students are required to take a minimum of three semester hours in each area.

For undergraduate students who attend Montclair State and who wish to pursue a master's degree in speech/language pathology, a fifteen semester hour cluster of courses will be available to be taken during the senior year. These courses are designed to act as a bridge between undergraduate preparation and master's degree work.

To be taken in the Fall semester

- CSND 408 Phonetic Study of Speech Sounds
- CSND 409 Anatomy and Physiology of Speech & Hearing Systems
- CSND 410 Neurophysiological Bases of Communication

To be taken in the Spring semester

- CSND 500 Speech and Language Acquisition
- CSND 534 Speech and Hearing Science

In addition, students who are undergraduates at Montclair State University may take additional courses in preparation for master's degree level work such as:

- CSND 386 Communication Disorders: A Special Education Perspective
- PSYC 235 Psychology of Exceptional Children and Youth
- CURR 400 Teacher School and Society (required for New Jersey certification as a Speech-Language Specialist)

Prospective students are urged to contact the Department of Communication Sciences and Disorders for advisement during the sophomore or junior year.

Courses of Instruction

CSND 386

COMMUNICATION DISORDERS:

A SPECIAL EDUCATION PERSPECTIVE

3.0

An examination of the influences on special education practices. Historical, legal, developmental, and instructional forces are explored. Career options, as well as issues and trends, are addressed.

CSND 408

PHONETIC STUDY OF SPEECH SOUNDS

3.0

The articulation of sounds of American English, developing an understanding of articulatory features using the international phonetic alphabet.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 409

ANATOMY AND PHYSIOLOGY OF SPEECH AND
HEARING SYSTEMS

3.0

The anatomical and physiological bases of respiration, phonation, articulation and resonance. The anatomy and physiology of the auditory mechanism.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 410

NEUROPHYSIOLOGICAL BASES OF COMMUNICATION

3.0

Study of the anatomy and physiology of the nervous system as it relates to the development of hearing, vision, thought, memory and emotions, as well as the perception, processing and production of speech and language.

Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 500

SPEECH AND LANGUAGE ACQUISITION

3.0

The nature of language and language development in young children. Acquisition of phonological, semantic and syntactic systems studied in framework of biological, cognitive, and linguistic theory.

Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 534

SPEECH AND HEARING SCIENCE

3.0

Study of basic acoustics, memory, and perception. Advanced study of anatomy and physiology of the speech and hearing mechanisms. Commonly used instrumentation will be discussed.

Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

COMMUNICATION STUDIES

SCHOOL OF THE ARTS

Chairperson: Wayne Bond

The Department of Communication Studies offers a major in Communication Studies with an option of three concentrations: Organizational Communication, Public Relations and Speech Communication. The program emphasizes research and writing, oral presentation and visual communication through effective information processing. The department prides itself on the exceptional quality of its faculty, the success of its graduates, and the extensive range of its academic-professional curricula. Communication Studies, a major featuring both liberal arts and professional training, afford students an abundance of opportunities to participate in meaningful learning experiences. Responsibilities increase as their training proceeds and prepares students for a multitude of careers.

Special features of the Communication Studies academic program include three concentrations, specialized internships, Dannis B. Eaton Public Speaking Competition and the National Communication Honor Society of Lambda Pi Eta. The Department of Communication Studies is an accredited institutional member of the National Communication Association. The Bachelor of Arts degree from the Department of Communication Studies requires a successful interview for admission into the major or minor. The dates and requirements for department admission and interviews may be obtained by calling the Department of Communication Studies at 973-655-7471.

Communication Studies Major—B.A.

Required Core Courses

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 201 Communication Theory	3
SPCM 234 Public Speaking	3
SPCM 271 Interpersonal Communication I	3
SPCM 301 Seminar in Communication Research	3
SPCM 375 Nonverbal Communication	3
SPCM 438 Principles of Persuasion	3
SPCM 478 Applied Communication	3

Speech Communication Concentration

Speech Communication Concentration Requirements:

SPCM 230 Listening	3
SPCM 250 Intercultural Communication	3
SPCM 374 Group Processes	3
SPCM 413 Visual Communication	3

Major Electives (9 semester hours):

SPCM 104 Media and Society	3
SPCM 222 Principles of Public Relations	3
SPCM 260 Oral Interpretation of Literature	3
SPCM 272 Interpersonal Communication II	3
SPCM 290 Gender and Communication	3
SPCM 304 Mediated Communication Theory	3
SPCM 322 Public Relations Writing	3
SPCM 323 Public Relations Cases	3
SPCM 334 Television Production in Communication Studies	3
SPCM 342 Argumentation and Debate	3
SPCM 361 Organizational Communication	3
SPCM 388 Seminar in Public Relations	3
SPCM 401 Seminar in Organizational Communication	3
SPCM 404 Seminar in Mediated Communication	3
SPCM 422 Public Relations Management	3
SPCM 435 Communication Arts Activity	3
ENWR206 Business Writing	3

Organizational Communication Concentration Organizational Communication Concentration Requirements:

	Semester Hours
SPCM 250 Intercultural Communication	3
SPCM 361 Organizational Communication	3
SPCM 374 Group Processes	3
SPCM 401 Seminar in Organizational Communication	3

Major Electives (9 semester hours):

SPCM 104 Media and Society	3
SPCM 222 Principles of Public Relations	3
SPCM 230 Listening	3
SPCM 260 Oral Interpretation of Literature	3
SPCM 272 Interpersonal Communication II	3
SPCM 290 Gender and Communication	3
SPCM 304 Mediated Communication Theory	3
SPCM 322 Public Relations Writing	3
SPCM 323 Public Relations Cases	3
SPCM 334 Television Production in Communication Studies	3
SPCM 342 Argumentation and Debate	3
SPCM 388 Seminar in Public Relations	3
SPCM 404 Seminar in Mediated Communication	3
SPCM 413 Visual Communication	3
SPCM 422 Public Relations Management	3
SPCM 435 Communication Arts Activity	3
ENWR206 Business Writing	3

Public Relations Concentration

Public Relations Concentration Requirements:

SPCM 222 Principles of Public Relations	3
SPCM 322 Public Relations Writing	3
SPCM 323 Public Relations Cases	3
SPCM 422 Public Relations Management	3

Major Electives (9 semester hours):

SPCM 104 Media and Society	3
SPCM 230 Listening	3
SPCM 250 Intercultural Communication	3
SPCM 260 Oral Interpretation of Literature	3
SPCM 272 Interpersonal Communication II	3
SPCM 290 Gender and Communication	3
SPCM 304 Mediated Communication Theory	3
SPCM 334 Television Production in Communication Studies	3
SPCM 342 Argumentation and Debate	3
SPCM 361 Organizational Communication	3
SPCM 388 Seminar in Public Relations	3
SPCM 401 Seminar in Organizational Communication	3
SPCM 404 Seminar in Mediated Communication	3
SPCM 413 Visual Communication	3
SPCM 435 Communication Arts Activity	3
ENWR206 Business Writing	3

Speech Communication Minor

Students who wish to pursue a minor program in the Department of Communication Studies and have this accomplishment listed on the transcript must proceed as follows:

1. Submit an application, which may be obtained from the Department office, to the chairperson requesting status as a Minor Program student in the Department of Communication Studies.
2. Schedule and complete an interview for acceptance into the Speech Communication Minor Program.
3. The minimum standard for admission to the program is grade point average of 2.75.
4. Complete the Minor Program sequence.
5. During the senior year, request certification from the Registrar of official records for the completion of minor program of study.

	Semester Hours
SPCM 103 Voice and Speech Improvement	3
SPCM 172 Principles of Human Communication	3
SPCM 234 Public Speaking	3
SPCM 271 Interpersonal Communication I	3
SPCM 374 Group Processes	3
SPCM 438 Principles of Persuasion	3
OR	
SPCM 375 Nonverbal Communication	3

Courses of Instruction

- SPCM 101**
FUNDAMENTALS OF SPEECH: COMMUNICATION REQUIREMENT 3.0
 This course introduces students to the theoretical and practical requirements of different types of public presentations and helps students develop an understanding and appreciation of the dynamic nature of the communication process. The course focuses on the basic elements of the communication process, listening, communicator and audience characteristics, basic research skills, and message composition and delivery. Students learn about the demands of public presentations in culturally and professionally diverse environments and develop presentation competence and flexibility. Meets Gen Ed 2002—Communication, Communication. Meets the 1983 General Education Requirement (GER)—Communication, Speaking/Listening.
- SPCM 103**
VOICE AND SPEECH IMPROVEMENT 3.0
 Theory and practice in the improvement of individual voice and speech patterns and elimination of faults.
Prerequisite: B.A. Communication Studies majors only.
- SPCM 104**
MEDIA AND SOCIETY 3.0
 This course introduces students to different print and electronic communication media, such as newspapers, magazines, radio, television, and the Internet. The course explores how each medium has contributed to changes in communication, from the way in which we process information and do work, to the way we experience entertainment and culture.
- SPCM 172**
PRINCIPLES OF HUMAN COMMUNICATION 3.0
 A survey of the process of human communication on all levels of interaction from intrapersonal to mass communication. Introduction to and an awareness of the key principles operating during the process of communication.
- SPCM 201**
COMMUNICATION THEORY 3.0
 This course introduces students to human communication theories. Emphasis is placed on the application of theory to a variety of everyday relational, professional, and cultural situations and the ways in which theory informs and helps us examine human communication.
Prerequisite: SPCM 172.
- SPCM 222**
PRINCIPLES OF PUBLIC RELATIONS 3.0
Principles of Public Relations is an introductory course designed to expose students to the basic history and theories in the field of public relations. *Principles of Public Relations* will expose you to staple writing activities such as news releases, brochures, and pitch letters. *Principles of Public Relations* will also teach you the basic terminology and skills necessary to succeed in more advanced public relations courses.
Prerequisites: SPCM 172 and 234.
- SPCM 230**
LISTENING 3.0
 The development of critical, discriminative, appreciative, and empathic listening skills; emphasis will be on listening theory/concept exploration, listening skill building, and experiential learning through theory application.
Prerequisite: B.A. Communication Studies majors only.
- SPCM 234**
PUBLIC SPEAKING 3.0
 Preparing and delivering effective, informative, and persuasive speeches: emphasis on outlining, verbal clarity, and effective oral communication in public presentations.
Prerequisite: B.A. Communication Studies majors only.
- SPCM 250**
INTERCULTURAL COMMUNICATION 3.0
 Survey of cultural approaches to communication, including theory and methodology. Will examine the underlying principles and concepts of communication within individuals and across cultures to better understand effective human communication.
Prerequisite: B.A. Communication Studies majors only.
- SPCM 271**
INTERPERSONAL COMMUNICATION I 3.0
 Basic theory of interpersonal communication and its practical applications in friendships and intimate relationships; personal communication patterns as they affect self-perception and other perception; emphasis on the effect this process has on our interactions with others; strategies are offered as a means of change, growth and potential in effective interpersonal communication.
Prerequisite: B.A. Communication Studies majors only.
- SPCM 272**
INTERPERSONAL COMMUNICATION II 3.0
 Current literature in the field of interpersonal communication and the relationship of the theory to communication effectiveness. Study of conflict management and interpersonal communication competence.
Prerequisites: SPCM 172 and 271; B.A. Communication Studies majors only.
- SPCM 290**
COMMUNICATION AND GENDER 3.0
 An examination of male and female communication patterns and gender expectations in various contexts with emphasis on: (1) the relationship between gender, language and culture; (2) cultural stereotypes regarding gender roles; (3) the implications of gendered understandings on our personal and professional lives.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.
- SPCM 301**
SEMINAR IN COMMUNICATION RESEARCH 3.0
 This course introduces students to the research and methods (quantitative and qualitative) of the discipline of communication. Emphasis is on the critical assessment of research, improved writing, and the completion of a research paper. Meets the University Writing Requirement for CSOC, CSPR, CSSC majors.
Prerequisites: SPCM 172; junior level; B.A. Communication Studies majors only.
- SPCM 304**
MEDIATED COMMUNICATION THEORY 3.0
 The course provides an in-depth examination of mass media theories and social effects on a national and global level. Through case studies, research, screenings, and class discussions students develop analytic tools they can use in their role as proactive consumers and potential creators of media products.
Prerequisite: SPCM 102
- SPCM 322**
PUBLIC RELATIONS WRITING 3.0
 In *Public Relations Writing*, students learn the basic principles associated with public relations writing and how to prepare an assortment of public relations documents. Associated Press (AP) style is reinforced throughout all assignments, and students learn how to construct specialized written documents such as backgrounders, brochures, business letters, pitch letters, infographics, news releases, stationery, business cards, logos. Students are also encouraged to begin portfolio building. Aesthetics is a central focus of the class and students learn the features of effective design.
Prerequisites: SPCM 172 and 222 and 234.
- SPCM 323**
PUBLIC RELATIONS CASES 3.0
Public Relations Cases uses a case-study method to teach student about theoretical and applied principles of public relations campaign management. Students examine successful/unsuccessful examples of public relations in order to learn how to plan more effective campaigns and to evaluate completed campaigns.
Prerequisites: SPCM 172 and 201 and 222 and 234 and 322.
- SPCM 334**
TELEVISION PRODUCTION IN COMMUNICATION STUDIES 3.0
 Hands-on experience in MSU's television studio with focus on production elements including camera operation, directing and creativity through production of commercials, talk shows and variety shows.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.
- SPCM 342**
ARGUMENTATION AND DEBATE 3.0
 Principles of argumentation; characteristics of propositions, definitions of terms, logical organization, evidence, research and oral reason, structure of debates; practice in argumentation and debate of current significant issues.
Prerequisites: SPCM 172 and 234; B.A. Communication Studies majors only.

- SPCM 361**
ORGANIZATIONAL COMMUNICATION 3.0
 An experiential study of the role of communication in business and the application of theories of communication in our understanding of organizations. An organizational simulation provides the experience from which students can apply communication theories.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.
- SPCM 374**
GROUP PROCESSES 3.0
 Effective communication patterns for small groups; variables such as cohesiveness, roles, problem-solving, leadership, decision-making as related to the development and maintenance of productive interaction. Meets the University Writing Requirement for CSOC, CSSC majors.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.
- SPCM 375**
NONVERBAL COMMUNICATION 3.0
 Introduces nonverbal communication theory to promote a better awareness of its dynamics and influence in the communication process; an awareness of how people reveal and define themselves; a development of skills for encoding and decoding nonverbal messages; creating slide shows.
Prerequisites: SPCM 172; junior status B.A. Speech Communication majors only.
- SPCM 388**
SEMINAR IN PUBLIC RELATIONS 3.0
 Provide background theory and practical experience in public relations. Writing forms and styles, project planning, and campaign strategies as are emphasized. Meets the University Writing Requirement for CSOC, CSPR, CSSC majors.
Prerequisites: SPCM 172 and SPCM 271; B.A. Communication Studies majors only.
- SPCM 403**
INDEPENDENT STUDY 1.0-3.0
 The proposals must be submitted for departmental approval prior to registration for the course.
Prerequisites: Department approval; B.A. Communication Studies majors only.
- SPCM 401**
SEMINAR IN ORGANIZATIONAL COMMUNICATION 3.0
 Exploration of advanced topics pertaining to communication in organizational contexts. Particular emphasis is placed on current issues in professional and civic organizations. Subject changes from year to year. Topics include intra-organizational diversity and conflict management, democratic approaches and processes, and leadership.
Prerequisites: SPCM 172, SPCM 361, SPCM 374.
- SPCM 404**
SEMINAR IN MEDIATED COMMUNICATION 3.0
 This advanced seminar explores emerging communication technologies and their social, cultural, and political implications. The course examines the history and evolution of communication technologies and how they transform our identity, homes, workplaces, communities, and playspaces. Emphasis is placed on current issues and case studies drawn from the world of business, government, and entertainment.
Prerequisites: SPCM 102 and 360.
- SPCM 413**
VISUAL COMMUNICATION 1.0-3.0
 A variable credit course for students to experience the area of visual communication through computer desktop publishing. Students are responsible for designing, editing, and producing various printed materials. May be repeated for a maximum of three credits as major electives. May be repeated for a maximum of six credits for free electives.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.
- SPCM 422**
PUBLIC RELATIONS MANAGEMENT 3.0
Public Relations Management is designed to teach advanced public relations management and planning skills. The goals of *Public Relations Management* are twofold. One: to expose students to theories of ethics, public behavior, planning, budgeting, writing, and message production relevant to the practice of public relations. And two: to teach students how to more effectively craft messages in a variety of public relations contexts and to diverse publics.
Prerequisites: SPCM 172 and 201 and 222 and 234 and 322 and 323 and 374.
- SPCM 435**
COMMUNICATION ARTS ACTIVITY 1.0-3.0
 Credit is given for supervised speech arts activity. Various topics offered periodically. Credit by arrangement.
Prerequisites: Departmental approval; B.A. Communication Studies majors only
- SPCM 438**
PRINCIPLES OF PERSUASION 3.0
 Theory and application of persuasive principles in various fields of society with focus on communication strategies for awareness, understanding, evaluation, and change of social forces in media, education, government, business, religion, politics, relationships, and industry. Learn to become a critical receiver.
Prerequisites: SPCM 172 and 234; senior level; B.A. Communication Studies majors only.
- SPCM 478**
APPLIED COMMUNICATION 3.0
 Identification of practical applications and implications for the theories of human communication are explored with specific focus on communication careers through interviewing techniques, resumes, and career panels with communication professionals. A practical approach allows a synthesis of learned communication theory and applied communication practice.
Prerequisites: SPCM 172 and 271; senior level; B.A. Communication Studies majors only.
- SPCM 490**
INTERNSHIP: COMMUNICATION STUDIES 4.0-16.0
 Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of a professional practitioner as an assistant in active, successful communication activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisites: Departmental approval; B.A. Communication Studies majors only.
- SPCM 499**
HONORS: SENIOR SEMINAR 3.0
 Students pursue independent projects related to their major academic and professional interests, and meet for tutorial sessions on selected topics. Seminar culminates in a major project related to research, performance, production, or pedagogy.
Prerequisites: Departmental approval; senior level; B.A. Communication Studies majors only.

COMPUTER SCIENCE

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Dorothy Deremer

Knowledge of computer science is increasingly important for working in and understanding modern society. The Bachelor of Science degree stresses the theory, practice, and applications of computing in this information age. The degree prepares students to work in industry or to attend graduate school. Students may focus their interests through the Concentration in Professional Computing or the Informatics Concentration. Qualified students may participate in the honors program in computer science. The Department supports a chapter of Upsilon Pi Epsilon, the national honor society in computer science. Special courses such as the Department's Cisco Networking Academy, bioinformatics, multimedia, web tools, and parallel scientific computing applications introduce students to emerging technologies. Selected students may work with faculty on research projects.

Detailed and current information about courses and programs, independent studies in research and advanced topics, Cooperative Education for which students receive academic credit and salaries, transfer credit, and Advanced Placement credit is available from the Coordinator of Undergraduate Advising and at <http://www.csam.montclair.edu/~compsci>.

Computer Science Major

Required Courses

	Semester Hours
CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3
CMPT 280 Assembly Language and Computer Architecture	3
CMPT 281 Theory of Digital Machines	3
CMPT 285 Discrete Mathematical Structures	3
CMPT 287 Data Structures, File Structures and Algorithms	4
CMPT 371 Software Engineering I: Analysis and Design	4
CMPT 372 Software Engineering II: Implementation and Testing	4

Collateral Courses

Mathematics

MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 335 Elements of Linear Algebra	4
STAT 440 Fundamentals of Modern Statistics	3

One of these four sequences

1. PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
2. CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
3. ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting I, II	3
MGMT 231 Management Processes	3
4. ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3

Note: The department recommends students take a science sequence as preparation for work in New Jersey and other regional industries including biotechnology and pharmaceuticals. More than one sequence is recommended.

Computer Science Major Electives

Choose one of the following options 6
 Option I: Choose two elective courses from Group 1
 Option II: Choose one elective course from Group 1 and one course from Group 2 or 3.

Group 1 Electives

CMPT 472 Computer Graphics	3
CMPT 481 Operating Systems	3
CMPT 483 Data Base Systems	3
CMPT 484 Fundamentals of Programming Languages	3
CMPT 485 Compiler Construction	3
CMPT 486 Design of Computer Interfaces	3
CMPT 487 Local Area Networks	3
CMPT 493 Advanced Databases	3
CMPT 495 Topics in Computer Science for Undergraduates	3
CMPT 497/8 Undergraduate Research in Computer Science	3

Group 2 Electives

CMPT 363 Introduction to Numerical Computing	3
CMPT 385 Computer System Organization	3
CMPT 387 Data Communications	3
CMPT 388 Foundations of Artificial Intelligence	3

Group 3 Electives:

CMPT 499 Cooperative Education in Computer Science	3-8*
--	------

*A maximum of three (3) credits may be used as a major elective.

Concentration in Professional Computing (CPC)

CPC provides depth and breadth in theory, practice and applications of computing. CPC is national accredited by ABET CAC (Accreditation Board for Engineering and Technology Computing Accreditation Commission). CAC is sponsored by the Institute of Electrical and Electronics Engineers' Computer Society and the Association of Computing Machinery, the two premier professional computing societies each with over 100,000 members. CPC has been accredited for more than 10 years. CPC students must complete the major computer science requirements, collateral courses in mathematics, and a collateral science sequence as described below.

Collateral Courses

Students must take one of the following sequences requiring lab work and at least another science course for a total of at least 12 credits:

	Semester Hours
1. PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
and minimum of four semester hours from the following:	
PHYS 210 Mechanics	4
PHYS 240 Electricity and Magnetism	4
PHYS 242 Circuit Theory	3
PHYS 245 Electronics and Digital Circuits	3
PHYS 247 Microprocessors and Their Applications	3
PHYS 280 Astronomy	4
2. CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
and minimum of 4 semester hours from the following:	
CHEM 230 Organic Chemistry I	3
CHEM 231 Organic Chemistry II	3
CHEM 232 Experimental Organic Chemistry	2
(Prerequisite: CHEM 230)	
3. BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
BIOL 213 Introduction to Ecology	4

Required Mathematics Courses

MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 335 Elements of Linear Algebra	4
STAT 440 Fundamentals of Modern Statistics	3
CMPT 285 Discrete Mathematics	3

Required Computer Science Courses

CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3
CMPT 280 Assembly Language and Computer Architecture	3
CMPT 281 Theory of Digital Machines	3
CMPT 287 Data Structures, File Structures, and Algorithms	4
CMPT 371 Software Engineering I: Analysis and Design	4
CMPT 372 Software Engineering II: Implementation and Testing	4

Required Computer Science Advanced Courses

CMPT 385 Computer System Organization	3
CMPT 387 Principles of Data Communications	3
CMPT 481 Operating Systems	3
CMPT 484 Fundamentals of Programming Languages	3

Computer Science Electives

Select 2 courses (6 s.h.) from the following:

CMPT 388 Foundations of Artificial Intelligence	3
CMPT 472 Computer Graphics	3
CMPT 483 Data Base Systems	3
CMPT 485 Compiler Construction	3
CMPT 487 Local Area Networks	3
CMPT 493 Advanced Databases	3
CMPT 499 Cooperative Education in Computer Science	3-8*

*A maximum of three (3) credits may be used as a major elective.

Informatics Concentration

This concentration focuses on working with designing, implementing and maintaining information systems. To qualify for this concentration students must complete the required courses (27 s.h.), and the collateral mathematics courses (15 s.h.) for the computer science major as well as the following:

Required Courses

	Semester Hours
CMPT 387 Principles of Data Communication	3
CMPT 483 Database Systems	3

Collateral Courses

ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3

Computer Science Major Electives

Select one elective from Group 1, 2 or 3:

Group 1 Electives:

CMPT 472 Computer Graphics	3
CMPT 481 Operating Systems	3
CMPT 484 Fundamentals of Programming Languages	3
CMPT 485 Compiler Construction	3
CMPT 486 Design of Computer Interfaces	3
CMPT 487 Local Area Networks (LANs)	3
CMPT 493 Advanced Database Theory	3
CMPT 495 Topics in Computer Science for Undergraduates	3
CMPT 497/8 Undergraduate Research in Computer Science	3

Group 2 Electives:

CMPT 363 Introduction to Numerical Computing	3
CMPT 385 Computer System Organization	3
CMPT 388 Foundations of Artificial Intelligence	3

Group 3 Electives:

CMPT 499 Cooperative Education in Computer Science	3-8*
--	------

*A maximum of three (3) credits of may be used as a major elective.

Computer Science Minor

Students may earn a minor in computer science by satisfactorily completing an 19 semester hour program which includes CMPT 183, 184, 280, 285, 287, and one other approved CMPT course. At least 9 semester hours must be taken at Montclair State University.

Required Courses

	Semester Hours
CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3
CMPT 280 Assembly Language and Computer Architecture	3
CMPT 285 Discrete Mathematical Structures	3
CMPT 287 Data Structures, File Structures and Algorithms	4
One course from the following list:	
CMPT 261 Business Data Processing	3
CMPT 281 Theory of Digital Machines	3
CMPT 363 Introduction to Numerical Computing	3
CMPT 381 File Processing	3
CMPT 382 Systems Analysis and Design	3
CMPT 384 Systems Software	3
CMPT 385 Computer System Organization	3
CMPT 387 Principles of Data Communications	3
CMPT 388 Foundations of Artificial Intelligence	3
CMPT 472 Computer Graphics	3
CMPT 474 Software Engineering	3
CMPT 481 Operating Systems	3
CMPT 483 Database Systems	3
CMPT 484 Fundamentals of Programming Languages	3
CMPT 485 Compiler Construction	3
CMPT 493 Advanced Database Theory	3

Courses of Instruction

CMPT 109

INTRODUCTION TO COMPUTER APPLICATIONS:

BEING FLUENT WITH INFORMATION TECHNOLOGY 3.0

An introduction to the skills, concepts, and capabilities necessary to effectively use information technology across the curriculum, through computer applications. Not for mathematics major elective credit or computer science major elective credit. Meets Gen Ed 2002-Computer Science. Meets the 1983 General Education Requirement (GER)-Mathematics, Computer Science.

Prerequisite: MATH 051 or MATH 061 or satisfactory score on both of the mathematical components of the MSUPT. Special fee.

CMPT 112

HONORS SEMINAR IN COMPUTING 3.0

Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word processing, spreadsheets, data bases, and communications. Cross listed with Honors Program, HONP 112. Meets the 1983 General Education Requirement (GER)-Mathematics, Computer Science.

Prerequisite: Departmental approval; MATH 051 or MATH 061 or satisfactory score on both the mathematical components of the MSUPT.

CMPT 183

FOUNDATIONS OF COMPUTER SCIENCE I 3.0

Basic theory of digital computers. Syntax and semantics of a programming language. Algorithms: logic, design, testing and documentation. Meets the 1983 General Education Requirement (GER)-Mathematics, Computer Science.

Prerequisite: MATH 111, 112, 114, 116, 122 or 221. Special fee.

CMPT 184

FOUNDATIONS OF COMPUTER SCIENCE II 3.0

Continuation of CMPT 183. Algorithm development involving user functions; subroutines, recursions, structures file manipulation.

Prerequisite: CMPT 183.

CMPT 250

WEB TOOLS 2.0-3.0

This course discusses and investigates the current web tools and technologies that are used in web site design. Focus will be on the markup languages of XHTML and XML; Dynamic HTML; Client side programming language JavaScript; Server side programming, Servlets, JavaServer pages and ASP.

Prerequisite: CMPT 184.

CMPT 280

ASSEMBLY LANGUAGE AND COMPUTER ARCHITECTURE 3.0

Computer structures, the conventional machine level, introduction to assembler language.

Prerequisite: CMPT 184.

CMPT 281

THEORY OF DIGITAL MACHINES 3.0

Microprogramming level of a computer, the operating system level, gates, sequential and combinational circuits, flip-flops, registers, number codes.

Prerequisite: CMPT 280 and 285.

CMPT 285

DISCRETE MATHEMATICAL STRUCTURES 3.0

The structures include sets, graphs, digraphs, trees, networks, lattices, matrices, semigroups and groups. Many practical business and scientific problems can be posed and solved by the use of these structures.

Prerequisite: MATH 112.

CMPT 287

DATA STRUCTURES, FILE STRUCTURES AND ALGORITHMS 4.0

Creation and manipulation of in-memory data structures including graphs, lists, queues, sets, stacks and trees; searching, sorting and other algorithms for in-memory data structures. File, file structures and external sorting. Meets the University Writing Requirement for CPIN, CPPC, CPSC, SIBC, SICS, SIMB majors.

Prerequisites: CMPT 184.

Prerequisite or corequisite: CMPT 285.

CMPT 290			
INTRODUCTION TO COGNITIVE SCIENCE	3.0		
An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy, Cross listed with Psychology, PSYC 290.			
<i>Prerequisite: ANTH 100 or PSYC 101 or CMPT 183 or LNGN 210 or PHIL 100.</i>			
CMPT 296			
TOPICS IN A PROGRAMMING LANGUAGE	1.0		
An introduction to a selected programming language with a view to learn the most important structures in that language. Each time the course is offered only one programming language will be taught, but the language could vary from one semester to another. The course could be taken more than once by the same student, provided the languages are different. May be repeated four times for a total of five semester hours.			
<i>Prerequisite: CMPT 184.</i>			
CMPT 300			
INTRODUCTION TO SCIENCE DATABASES	1.0		
This course presents and discusses the concepts of the databases used in scientific application, and their differences with respect to other databases.			
<i>Prerequisites: CMPT 250 and CMPT 287.</i>			
CMPT 350			
PARALLEL AND DISTRIBUTED COMPUTING	3.0		
An overview of a variety of parallel hardware architectures, ranging from symmetric multiprocessors to clusters. The appropriate programming techniques for those architectures, such as threads and message passing. Parallelization of sequential algorithms for some common problems. Speed-up analysis.			
CMPT 363			
INTRODUCTION TO NUMERICAL COMPUTING	3.0		
Fundamentals of numerical computation, with emphasis on basic algorithms and their efficient implementation: appropriate treatment of theoretical bases. Topics include floating point arithmetic, roundoff error and propagation, numerical solution of nonlinear equations, interpolation and approximation, and numerical integration. The FORTRAN language will be taught and used in programming assignments.			
<i>Prerequisite: CMPT 183 and MATH 221.</i>			
CMPT 371			
SOFTWARE ENGINEERING I: ANALYSIS AND DESIGN	4.0		
Utilization of software engineering principles and techniques for the specification, analysis and design of high-quality complex software systems including both technical and non-technical aspects.			
<i>Prerequisite: CMPT 287.</i>			
CMPT 372			
SOFTWARE ENGINEERING II: IMPLEMENTATION AND TESTING	4.0		
This course utilizes software engineering principles and techniques for the implementation, testing and maintenance of high-quality complex software systems, as designed in a previous course (CMPT 371).			
<i>Prerequisite: CMPT 371.</i>			
CMPT 382			
SYSTEM ANALYSIS AND DESIGN	3.0		
A major project includes forms design, sequential files, files, merge, sort, and editing programs.			
<i>Prerequisite: CMPT 184.</i>			
CMPT 385			
COMPUTER SYSTEM ORGANIZATION	3.0		
Introduction to chip technology, microprocessors, microcomputers, architecture, instruction sets and programming of microcomputers, and other bus-oriented computers.			
<i>Prerequisite: CMPT 281.</i>			
CMPT 387			
PRINCIPLES OF DATA COMMUNICATIONS	3.0		
Fundamentals of data communication topics. Analog-Digital, Broadband-Baseband, TDM-FDM, AM-FM techniques. Error codes and protocols.			
<i>Prerequisite: CMPT 281.</i>			
CMPT 388			
FOUNDATIONS OF ARTIFICIAL INTELLIGENCE	3.0		
A general, comprehensive coverage of the main areas constituting the field of artificial intelligence, introduction of computer vision, natural language processing (NLP), pattern recognition and neural networks.			
<i>Prerequisite: CMPT 384.</i>			
CMPT 472			
COMPUTER GRAPHICS	3.0		
An introduction to computer graphics, including the algorithms to generate two-dimensional and three-dimensional graphical pictures. An overview of interactive graphics and graphics devices.			
<i>Prerequisites: CMPT 287 and MATH 335.</i>			
CMPT 481			
OPERATING SYSTEMS	3.0		
Process Management. Process synchronization and deadlock prevention. Memory Management. Interrupts processing. I/O Control.			
<i>Prerequisite: CMPT 281 and CMPT 384.</i>			
CMPT 483			
DATABASE SYSTEMS	3.0		
A comprehensive collection of database organizations and design tools: file organizations and evaluations, database structures, schemata and implementations. Database security, operations and management.			
<i>Prerequisites: CMPT 381.</i>			
CMPT 484			
FUNDAMENTALS OF PROGRAMMING LANGUAGES	3.0		
Syntax and semantics of modern programming languages with emphasis on programming in the large, functional, logic, and object-oriented paradigms. Common threads found in both imperative and non-imperative languages discussed.			
<i>Prerequisite: CMPT 384.</i>			
CMPT 485			
COMPILER CONSTRUCTION	3.0		
Introduction to the concepts and techniques used in the description of programming languages and in the construction of compilers.			
<i>Prerequisites: CMPT 484.</i>			
CMPT 486			
DESIGN OF COMPUTER INTERFACES	3.0		
Basic digital and analog computing circuits and interface circuits, computer-telecommunication interfaces.			
<i>Prerequisite: CMPT 385.</i>			
CMPT 487			
LOCAL AREA NETWORKS (LAN'S)	3.0		
Overview, topology, taxonomy, transmission, technology media and control protocols of microcomputer LAN's.			
<i>Prerequisite: CMPT 387.</i>			
CMPT 490			
HONORS SEMINAR IN COMPUTER SCIENCE	3.0		
Topics not usually covered within standard computer science courses. A written and an oral report are required.			
<i>Prerequisites: CMPT 287 and MATH 335 and departmental approval.</i>			
CMPT 493			
ADVANCED DATABASE THEORY	3.0		
This course continues the introduction to data management. Topics include: security, integrity, concurrency and recovery, query optimization, file structures and other performance issues.			
<i>Prerequisite: CMPT 483.</i>			
CMPT 495			
TOPICS IN COMPUTER SCIENCE FOR UNDERGRADUATES	1.0-3.0		
Study of specialized topics in computer science.			
<i>Prerequisites: CMPT 287 and departmental approval.</i>			
CMPT 497			
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE I	1.0-3.0		
Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498.			
<i>Prerequisites: CMPT 281 and MATH 335 and departmental approval.</i>			

CMPT 498

UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE II 1.0-3.0

Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498.

Prerequisites: CMPT 281 and MATH 335 and departmental approval.

CMPT 499

COOPERATIVE EDUCATION IN COMPUTER SCIENCE 3.0-8.0

The study of theoretical ideas of computer science combined with their practical applications in a real life environment. The co-op experience is a semester working off-campus under the guidance of a company supervisor, and a faculty supervisor. Only 3 of the 8 credits may be used to fulfill the major requirement.

Prerequisites: CMPT 381 or 384 and departmental approval.

COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Catherine B. Roland

Students enrolled in one or more courses offered by the Department of Counseling, Human Development and Educational Leadership will broaden their knowledge and skills in the areas of communication, careers, leadership abilities training, value clarification, group and/or team building and interpersonal interaction. These courses, with the general aim of building foundations for a life open to learning and enrichment, are designed to serve students from varied fields and interests. Among other courses offered by the department are those dealing with counseling techniques used in the alcoholism recovery process.

For those students wishing to further supplement their chosen major and professional development, an 18-credit Human Services Minor has been developed. This minor will help students increase their communication skills to be used in their own areas of specialization, as well as better comprehend theoretical foundations of both group and one-to-one interaction. They will facilitate the acquisition of skills, knowledge and self-confidence necessary to become more effective leaders and helping professionals.

This department also offers Masters' degrees with specializations involved in guidance, counseling, human services, school social work, school administration and supervision, and organizational training.

Human Services Minor

Advisor: Tete Tetens

Required Courses

	Semester Hours
COUN 329 Theories and Techniques of Group Process	3
COUN 330 Dynamics of One-to-One Communication	3
COUN 331 Group Dynamics	3
COUN 434 Facilitating the Interactive Process II	3

Electives

Select 6 semester hours in consultation with and approval of the advisor in Counseling, Human Development and Educational Leadership.

Courses of Instruction

COUN 329
THEORIES AND TECHNIQUES OF GROUP PROCESSES 3.0
Given that we function in groups of all sizes, with diverse populations and with various purposes throughout life, this course provides an understanding of the underlying dynamics of groups and provides the opportunity to relate the theories of group development to the actual group process. Students will explore theories and techniques useful in the positive development of entelechy groups.

COUN 330
DYNAMICS OF ONE-TO-ONE COMMUNICATION 3.0
This course is designed to examine the dynamics of one-to-one communication through readings and experientially. The course will further develop personal goals for optimizing personal communication and assist in establishing strategies for the attainment of these goals. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

COUN 331
GROUP DYNAMICS 3.0
This course is a seminar laboratory experience designed to facilitate human relationships. Focus is on individual behavior in groups. Participation in actual group process provides opportunity for development of insight into the effects of one's behavior on others. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

COUN 333
LEADERSHIP TRAINING 3.0
This course will demonstrate and utilize the special skills required for effective leadership. The course is offered as Pass/Fail only.

COUN 413
INTRODUCTION TO NEUROLINGUISTIC PROGRAMMING AND ERICKSONIAN TECHNIQUES 3.0
A laboratory-based course which will introduce students to, and provide the opportunity for them to critically evaluate the history, theory and applications in the field of NLP and Ericksonian techniques.

COUN 430
INTERACTION ANALYSIS 3.0
The purpose of this course is to help participants become more objective in their observations and reporting of interactions which they witness or in which they participate. Various observational tools and methods will be used in the gathering of objective data on three kinds of interaction (interpersonal, small group, and classroom).

COUN 432
PERSONAL VALUES 3.0
Designed to help each participant undertake a personal exploration of his own values, what they are and how he got them, and then consider alternatives available. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

COUN 434
FACILITATING THE INTERACTIVE PROCESS II 3.0
This course provides the opportunity for students to gain practical experience in facilitating groups. They will critically examine the effectiveness of their facilitation style and the methodology they utilize. Students will be expected to be involved in task and process groups. If they choose to co-lead a group with a staff member, they will be expected to be available to assist in all learning endeavors.

COUN 450
INTRODUCTION TO ALCOHOL/DRUG COUNSELING 3.0
Focuses on alcohol and other drug dependency treatment and fundamental issues of intake, assessment, individual, group and family counseling. Symptoms of the illness, various treatment modalities and relapse crises, as well as "twelve step" programs are explored. Discusses the role of the substance awareness coordinator in intervention and referral, as well as ethics and confidentiality.

COUN 452
PRACTICUM IN ALCOHOLISM COUNSELING 3.0
This course provides students with a supervised practicum in a human service agency which treats alcoholics. Under supervision of a certified counselor, they will observe and participate in the agency activities. Students will also examine the interactions of other health professionals, community resources and services available to the client in his/her recovery.
Prerequisites: COUN 450 and COUN 451.

COUN 454
COMMUNITY RESOURCES IN ALCOHOLISM AND SUBSTANCE ABUSE COUNSELING 3.0
Examines how inpatient and outpatient community resources in substance abuse treatment are integrated with other social service agencies. The cultural milieu of the schools and education and prevention with families and adolescents is emphasized. Discusses ethics, policy setting, staff training and curriculum development.

COUN 481
THE LEGAL RIGHTS OF WOMEN 3.0
This course will include some historical background for clearer understanding of what the changes in laws mean for women and men. Discussion and study of the effect of affirmative action, civil rights legislation and titles VI and IX will be included. Legal rights in the areas of education, employment, finances and credit, property ownership, marriage and divorce, health care, pensions and criminal law will be covered. Meets the Multicultural Awareness Requirement.

CURRICULUM AND TEACHING

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Richard Wolfson

The mission of the department of Curriculum and Teaching is the professional education of public school teachers. Its faculty offers courses in the professional education sequence. Special care has been taken in the development of the field experience courses. In order to support the continuing professional growth of teachers, there are programs and courses at the graduate level.

The Teacher Education Program is described under Other Programs in this catalog. Please refer to the index for the page number.

Courses of Instruction

CURR 200

INITIAL FIELD EXPERIENCE 1.0

An introductory course in the professional education sequence. Classroom instruction and visits to public schools will provide students the opportunity to examine public education from a professional perspective. (This course is required before full admission to Teacher Education.)

CURR 400

TEACHER, SCHOOL AND SOCIETY 3.0

An overview of the field of education, includes a consideration of instructional, curricular, legal and professional issues affecting teachers, schools and society as well as implications for students.

CURR 402

SEMINAR IN PROFESSIONAL EDUCATION 1.0

Part of the professional semester. It provides an opportunity to discuss problems encountered in teaching with peers and supervisors and to find practical solutions to problems experienced. Placement in professional semester field center. Course only open to student teachers.

Prerequisite: CURR 410 or CURR 500.

Corequisite: CURR 435, and 411, or 414, or 416, or 417.

CURR 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teacher to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Educational Foundations, EDFD 409 and Early Childhood, Elementary Education and Literacy, READ 409.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

CURR 410

INTERMEDIATE FIELD EXPERIENCE IN EDUCATION 1.0-3.0

Thirty hours per credit in a public school as assistant to the classroom or subject teacher. Observing, working with individuals and small groups of students, helping with clubs and student activities, teaching 'mini-lessons' and becoming familiar with teacher activities. Each student keeps a log of activities. Class meetings on campus during the experience are arranged.

Prerequisites: CURR 200 and formal admission to the Teacher Education Program. In addition, students must have filed a timely "Field Experiences Application" with the Center of Pedagogy.

CURR 411

SUPERVISED STUDENT TEACHING 8.0

Student teaching in the public schools of New Jersey is required of all students who complete the regular program of certification requirements. Part of professional semester.

Prerequisite: Special fee.

Corequisites: CURR 402 and CURR 435.

CURR 412

FIELD WORK IN URBAN EDUCATION 1.0-3.0

Similar to CURR 410 with emphasis on tutoring and individual conferences in urban public school. Student keeps a log of activities. Class meetings on campus. Meets the Multicultural Awareness Requirement.

Prerequisite: Departmental approval.

CURR 416

SUPERVISED STUDENT TEACHING FOR SPEECH-LANGUAGE SPECIALIST STUDENTS 3.0

Student teaching experience for students in the Speech-Language Pathology Program who are seeking the Speech-Language Specialist teaching certificate. Students spend thirteen weeks in school-based field sites, log a minimum of 100 clinical hours, and participate in the cooperating school clinician's schedule (e.g. child study team meetings, parent conferences).

Prerequisite: Departmental approval. Special fee.

CURR 417

MUSIC EDUCATION SUPERVISED STUDY I 4.0

Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight credits required for certification. Limited to Music majors.

Prerequisite: Departmental approval. Special fee.

CURR 418

MUSIC EDUCATION SUPERVISED STUDY II 4.0

Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight semester hours required for certification. Limited to Music majors.

Prerequisite: Departmental approval. Special fee.

CURR 423

TEACHING IN URBAN SCHOOLS 3.0

Focuses on factors affecting teaching and learning in urban schools. Topics include the nature and structure of urban schools, recent innovations in urban settings, mores and family patterns in the inner city, and funding opportunities. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

CURR 435

EFFECTIVE TEACHING/PRODUCTIVE LEARNING 3.0

The course is designed for students preparing for and subsequently participating in the teaching internship. It will develop basic teaching skills which the research literature indicates are related to productive learning outcomes. The skill areas are those of communication, motivation, classroom discipline, learning and cognitive development, media usage, multi-cultural education, curriculum, and evaluation and practical research. Part of the professional semester.

Corequisites: CURR 402; and CURR 411 or 414 or 415 or 417.

EARLY CHILDHOOD, ELEMENTARY, AND LITERACY EDUCATION

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Nancy Lauter

The Early Childhood, Elementary and Literacy Education department is committed to preparing critical professionals who can improve the lives of children, youth, and adults by implementing effective care, education, and literacy programs. In order to meet this challenge, our students build a strong knowledge base through inquiry and action research, develop skills and dispositions as reflective and caring practitioners, support and enhance systems that demonstrably include and respect all children, youth, adults, and their families; and provide professional leadership on local, state, and national levels. The department's work reflects our commitment to the "Portrait of a Teacher" (see Teacher Education Program), social justice, and diversity.

The department's programs emphasize the following:

- a common, clear vision of good teaching that is apparent in all course work and clinical experiences, and aligned to well-defined standards of practice and performance;
- strong relationships, common knowledge, and shared beliefs among school/community-based and university faculty who work together to provide substantial clinical experiences using a cohort model;
- learning and teaching as social processes with political implications;
- emphasis on social justice and the principles of democracy to ensure the optimal achievement of all students;
- teaching and learning as a life long process; and
- courses developed and scheduled to meet the unique needs of adult learners.

Early Childhood and Elementary Programs

Faculty share a strong commitment to improve the care and education of all children, build a strong knowledge base through inquiry, prepare effective practitioners, advocate for systems that include and respect all children and their families, and provide professional leadership at local, state and national levels. Within a framework of national teaching standards and developmentally appropriate practice, our students gain the knowledge, dispositions, and skills necessary to become productive and reflective practitioners in increasingly diverse and inclusive schools. Students may choose to pursue an early childhood teacher certificate (preschool through third grade), or an elementary teacher certificate (kindergarten through eighth grade). Students selecting early childhood teacher certification (P-3) major in Human Ecology, Family and Child Studies-Early Childhood concentration.

Literacy Program

The Literacy Program prepares literacy educators to meet present and future literacy demands in our social and political democracy. Our philosophy rests on the belief that literacy development is a lifelong process. Our goal is to prepare students to assume leadership roles in educational settings, e.g. schools, social service agencies, business, and industry. The curriculum places an emphasis on reflection and critical thinking about professional practice, in addition to the moral and ethical responsibilities of literacy educators.

The Literacy Program encompasses several major areas at the undergraduate level. These domains include courses fulfilling general education requisites, teacher education courses specific to literacy development and critical thinking, a literacy minor, and reading strategy courses focused on the enhancement of study skills and reading rate (READ 053 *Basic Reading Skills* and READ 102 *College Reading and Study Skills Improvement* in particular).

READ 105 *Reading: Communicating Through Text* fulfills general education requisites. READ 400 *Initial Inquiry into Literacy Development*, READ 407 *Reading: Theory and Process*, READ 408 *Content Area Literacy For Elementary Classrooms*, and READ 409 *Teaching for Critical Thinking* (cross-listed with CURR 409 and EDFD 409) are designed to satisfy initial certification for teacher education majors.

The department offers an M.A. in Reading, and course work leading to certification for Reading Teacher, Reading Specialist, Associate Educational Media Specialist and Media Specialist.

Courses of Instruction

ECEL 200

PERSPECTIVES ON EARLY CHILDHOOD AND ELEMENTARY
EDUCATION IN A DEMOCRACY

3.0

This course surveys the historical, philosophical, and social constructs of early childhood and elementary education. Emphasis will be placed on the events, cultural perspectives, and developmental understandings that shape our principles of early childhood and elementary education. Models of programs, particularly those that support inclusive settings, will be examined. Focus on the developmental needs of young children and the central role of families and local communities will be major themes throughout the course. 2 hours lecture, 1 hour other.

ECEL 319

LANGUAGE AND LITERATURE FOR YOUNG CHILDREN

3.0

The qualities of children's expression through language, books, stories and poems; criteria for evaluating material for the early childhood programs.

Prerequisites: Not open to freshmen.

ECEL 365

INDEPENDENT STUDY IN EARLY CHILDHOOD AND
ELEMENTARY EDUCATION

1.0-3.0

Provides students with opportunities to investigate topics not offered in the prescribed program. May be repeated once for a maximum of 6 credits.

Prerequisites: Departmental approval.

ECEL 375

SELECTED TOPICS IN EARLY CHILDHOOD AND
ELEMENTARY EDUCATION

1.0-3.0

Provides students with opportunities to investigate topics not offered in the prescribed program. May be repeated once for a maximum of 6 credits.

Prerequisite: Departmental approval.

ECEL 408

SOCIAL STUDIES AND THE ARTS IN
ELEMENTARY CLASSROOMS

3.0

Introduces students to the process, skills, and inquiry of social studies and the arts through an integrated curriculum approach. The content focus of the course will be diverse communities, weaving together history, geography, social studies (anthropology, economics, archeology, etc.) and the visual and performing arts. Special emphasis will be placed on exploring arts media, creativity, literacy strategies, and culturally responsive teaching and learning.

ECEL 410

CLINICAL EXPERIENCE I:

INCLUSIVE ELEMENTARY CLASSROOMS

1.0-3.0

Introduces students to the dynamics of inclusive elementary classrooms, schools, and communities. Through required fieldwork in elementary settings, observations, interviews, and data collection, students will discuss the role of the teacher(s), documentation and assessment techniques, variables of the classroom environment, school climate, and the wider community. Students will implement lesson plans and use a range of observation and documentation strategies including running records, environmental rating scales, anecdotal records, checklists, rating scales, and examination of children's work. Goals of the course include linking community resources to school and classroom needs, collecting data to inform instructional practice and culturally responsive teaching and learning, and evaluating the progress and needs of children in inclusive elementary settings. Fieldwork is required.

Prerequisite: Special fee.

Corequisites: ECEL 412

ECEL 411**CLINICAL EXPERIENCE I:****INCLUSIVE EARLY CHILDHOOD CLASSROOMS****2.0**

Introduces students to the dynamics of inclusive early childhood classrooms, schools, and communities. Through required fieldwork in early childhood settings, observation, interviews, and data collection, students will discuss the role of the teacher(s), documentation and assessment techniques, variables of the classroom environment, school climate, and the wider community. Students will implement lesson plans and use a range of observation and documentation strategies including running records, environmental rating scales, and anecdotal records, checklists, rating scales, and examination of children's work. Goals of the course include linking community resources to school and classroom needs, collecting data to inform instructional practice and culturally responsive teaching and learning, and evaluating the progress and needs of children in inclusive early childhood and elementary settings. Fieldwork is required.

Prerequisite: Admission to Teacher Education Program. Special fee.

Prerequisite or corequisite: ECEL 420.

Corequisites: ECEL 413.

ECEL 412**SEMINAR I: INCLUSIVE ELEMENTARY CLASSROOMS****1.0**

Accompanies ECEL 410, Clinical Experience I: Inclusive Elementary Classrooms, and offers students a forum for discussion, reflection, and critical thinking with regard to clinical work in inclusive elementary classrooms.

Corequisites: ECEL 410

ECEL 413**SEMINAR I: INCLUSIVE EARLY CHILDHOOD CLASSROOMS****1.0**

Accompanies Clinical Experience I: Inclusive Early Childhood Classrooms and offers students a forum for discussion, reflection, and critical thinking with regard to clinical work in classrooms.

Prerequisites: ECEL 420 is prerequisite or corequisite.

Corequisites: ECEL 411.

ECEL 414**CLINICAL EXPERIENCE II:****INCLUSIVE ELEMENTARY CLASSROOMS****8.0**

Students demonstrate their knowledge of child and early adolescent development and the significant role of families and communities with regard to children's learning by planning and implementing developmentally appropriate and culturally responsive curriculum in an inclusive elementary classroom. Focusing on the diverse needs of individual children, students develop, implement, and assess an integrated curriculum unit that incorporates the Core Curriculum Content Standards and emphasizes literacy across the curriculum. As reflective practitioners, students utilize multiple strategies to assess children's learning, classroom climate, and effective classroom management. Students are responsible for the full range of teacher activities in the classroom and are expected to seek out parents, administrators, and school colleagues as resources. Students are required to assemble an exhibition portfolio and participate in a mock interview in order to demonstrate their strengths as a teacher.

Prerequisites: ECEL 410. Special fee.

Corequisite: ECEL 421.

ECEL 415**CLINICAL EXPERIENCE II:****INCLUSIVE EARLY CHILDHOOD CLASSROOMS****8.0**

Students demonstrate their knowledge of child development and the significant role of families and communities with regard to children's learning by planning and implementing developmentally appropriate and culturally responsive curriculum in an inclusive early childhood classroom. Focusing on the diverse needs of individual children, students develop, implement, and assess an integrated curriculum unit that incorporates the Core Curriculum Content Standards and emphasizes literacy across the curriculum. As reflective practitioners, students utilize multiple strategies to assess children's learning, classroom climate, and effective classroom management. Students are responsible for the full range of teacher activities in the classroom and are expected to seek out parents, administrators, and school colleagues as resources. Students are required to assemble an exhibition portfolio and participate in a mock interview in order to demonstrate their strengths as a teacher. Fieldwork is required.

Prerequisites: ECEL 411. Special fee.

Corequisites: ECEL 419.

ECEL 416**ARTS AND CREATIVE EXPRESSION IN EARLY CHILDHOOD****3.0**

Introduces students to the process, skills, and inquiry of the arts through an integrated curriculum approach. The content focus of the course will be the visual and performing arts as related to literature, technology, and children's lives. Special emphasis will be placed on developing a critical perspective on the arts, exploring arts media and creative expression, and fostering dialogue and engagement of the arts as related to creativity, literacy strategies, culturally responsive teaching and learning, and the role of the arts in a democratic society.

ECEL 417**PROBLEM SOLVING IN SCIENCE, MATH, AND TECHNOLOGY IN EARLY CHILDHOOD CLASSROOMS****3.0**

Offers students preparing to teach young children an opportunity to learn about various ways to design and implement experiences that will help children understand the natural (science) and human made (technology) world. Students will develop skills and dispositions for motivating young children to discover, explore, and engage in experimentation and play in order to stimulate intellectual growth through creativity and imagination. Students plan and implement developmentally appropriate activities in science and technology, as well as design an environment and promote an atmosphere that encourages critical and creative thinking skills and problem solving strategies.

Prerequisite: Admission to Teacher Education Program.

ECEL 418**SOCIAL AND CULTURAL CONTEXT OF FAMILIES AND COMMUNITIES****3.0**

Provides students with an understanding of how social, cultural, economic, and environmental influences shape children's development and learning. The relationships and role expectations among teacher, family, child, and community as they affect learning will be explored. Methods for developing school/family partnerships and how to use community resources to support families will be discussed. Students will learn to take into account issues of child diversity as they create learning experiences.

Prerequisites: ECEL 200.

ECEL 419**SEMINAR II: INCLUSIVE EARLY CHILDHOOD CLASSROOMS****1.0**

Provides students with a forum to discuss the role of the teacher as teacher candidates take on full-time classroom responsibilities. Discussions focus on identifying and involving oneself in the professional field of early care and education, upholding and advocating for ethical standards, engaging in continuous and collaborative learning, and taking a critical stance to inform practice. Teacher candidates demonstrate that they can make and justify decisions based on their knowledge of central issues such as developmentally appropriate practice, culturally responsive learning and teaching, and the context of children's lives.

Corequisites: ECEL 415.

ECEL 420**BUILDING PROGRAMS AND COMMUNITY IN INCLUSIVE EARLY CHILDHOOD CLASSROOMS.****3.0**

Development of skills needed for the P-3 classroom teacher with an emphasis on addressing diversity of needs through the application of Learning Styles and Multiple Intelligence theory. Students will apply developmentally appropriate practices, including play in classroom settings. Focus on the development of the classroom environment and management strategies will support an understanding of classroom community. The roles of family and community in child learning and linkages between families and schools will be explored. Students will integrate the Core Curriculum Content Standards and both standardized and authentic assessment strategies.

ECEL 421**SEMINAR II: INCLUSIVE ELEMENTARY CLASSROOMS****1.0**

Provides students with a forum to discuss the role of the teacher as teacher candidates take on full-time classroom responsibilities. Discussions focus on identifying and involving oneself in the professional field of elementary and middle school education, upholding and advocating for ethical standards, engaging in continuous and collaborative learning, and taking a critical stance to inform practice. Teacher candidates demonstrate that they can make and justify decisions based on their knowledge of central issues such as developmentally appropriate practice, culturally responsive learning and teaching, and the context of children's lives.

Corequisites: ECEL 414.

- ECEL 422**
INTEGRATING ELEMENTARY CURRICULUM AND ASSESSMENT FOR EQUITY AND DIVERSITY 3.0
 Provides students with the opportunities to explore and experience research-based learning theories, teaching practices, curriculum, classroom management models, instructional strategies, and assessment used in upper elementary/middle level classrooms. Students will apply a framework of culturally responsive teaching and learning to curriculum development and building classroom community. Critical reviews of research, case study methods, planning and implementation of an integrated curriculum unit and reflection on one's teaching beliefs will be investigated through journal writing, classroom observations, curricular development, assessment techniques, and group discussion.
Prerequisites: ECEL 200.
- ECEL 427**
EXPLORATIONS: SCIENCE, MATH, AND TECHNOLOGY IN THE ELEMENTARY CLASSROOMS 3.0
 Explores the nature of elementary science and math instruction, how to incorporate these disciplines in inclusive upper elementary/middle school classrooms. Hands-on/minds-on science and math activities and effective management techniques that engage children in the wonder and critical study of life, earth, physical (human-made), and space sciences will be examined. Strategies to adapt science and math learning to individual learners will be emphasized. Students will gain confidence and skills in the unifying concepts of science: systems, order, and organization; evidence, models and explanation; change, constancy, and measurement; evolution and equilibrium; and form and function. Mathematical concepts such as geometric thinking and spatial sense, chance and data analysis, number systems and number sense, patterns and algebraic thinking, and problem solving will also be explored.
Prerequisites: ECEL 200.
- ECEL 435**
CONTENT INTEGRATION AND ASSESSMENT IN INCLUSIVE EARLY CHILDHOOD CLASSROOMS 3.0
 This course engages students in thoughtful, active exploration of their own learning experiences and their development as professionals who can think through and problem solve teaching and learning dilemmas. Students will be required to develop integrated curriculum units, articulate and discuss issues of teaching and learning, and assess curriculum as it is implemented in their classrooms. The course will focus on assessment of instructional strategies used in the classroom and assessment of children's development/learning as it relates to curriculum planning. Students will develop, implement, and assess an integrated unit, which is culturally responsive and adaptive to the needs of each child. Additional topics will include curriculum strategies, developing and assessing professional goals, and classroom management.
Prerequisites: ECEL 420.
- READ 053**
BASIC READING SKILLS 3.0
 An intensive laboratory course for students who must fulfill their minimum basic skills requirement in reading. Non-additive credit. Traditional grading procedures in effect. Meets Basic Skills Requirement.
- READ 102**
COLLEGE READING AND STUDY SKILLS IMPROVEMENT 3.0
 Workshop for university students whose reading-study problems interfere with school progress. Supervised practice promotes vocabulary growth, flexible speeds, comprehension and recall, skimming, interpretative and critical techniques. Reviewing for examinations, keeping up with daily assignments, taking notes and organizing content.
- READ 105**
READING: COMMUNICATING THROUGH TEXT 3.0
 This course, designed for the general student, will foster a critical understanding of the processes involved in efficient and effective reading. Emphasis will be placed on developing students' life-long reading habits in relation to comprehension, aesthetic sensibilities and analytical skills. Meets the 1983 General Education Requirement (GER)-Communication, Reading.
- READ 301**
TUTORING AND SMALL GROUP INSTRUCTION 2.0-4.0
 Designed to provide tutors, teacher aides, and other personnel with the necessary background of knowledge, skills and understanding to enable them to serve in educational environments in schools, hospitals, prisons, neighborhood youth corps, community action programs, etc. Students enrolled in this course will learn how they can increase the academic performance of the learner; how they can supplement what the instructor in the formal educational environment will do. (Open to undergraduates, volunteers, and personnel from community action programs.) May be taken as an elective or as part of the reading minor.
- READ 400**
INITIAL INQUIRY INTO LITERACY DEVELOPMENT 3.0
 In this course, philosophical, theoretical and pragmatic issues are explored as they pertain to literacy development and the pedagogical decision-making process. The course will enable prospective and in-service teachers to develop an appropriate repertoire of instructional strategies which will enhance literacy instruction. Topics, like language acquisition theory and its connections to the literacy development process and the ways in which literacy development is enhanced in the N-8 classroom will be investigated. The course will also assist students in recognizing the significance of their development as critical readers, writers and thinkers. Field experience in an approved instructional setting is a requisite.
- READ 407**
READING: THEORY AND PROCESS 3.0
 Designed for classroom and non-classroom personnel whose major responsibility is instructing students. Major focus will be on developing those skills, understandings and competencies about the nature of the reading process in specific word recognition and comprehension strategies, and in classroom diagnostic techniques.
Prerequisites: CURR 200 and admission to the Teacher Education Program.
- READ 408**
CONTENT AREA LITERACY FOR ELEMENTARY CLASSROOMS 3.0
 This course enables elementary teacher candidates to enhance their understanding of the multiple means through which literacy can be infused in elementary classroom content areas. Literacy strategies for elementary classrooms such as vocabulary development, the teaching of literacy strategies within authentic and meaningful contexts as well as the development of metacognitive awareness will be emphasized. Via this course, pre-service elementary school teachers will receive opportunities to examine their respective roles in facilitating elementary students' understanding of reading as a process, comprehending constructivism as it relates to literacy and activating young children's prior knowledge. Elementary teacher candidates will also explore how families, communities, linguistic diversity, special learning challenges, and cultural affiliations impact students' literacy development and the instruction.
Prerequisites: ECEL 200 and admission to the Teacher Education Program.
- READ 409**
TEACHING FOR CRITICAL THINKING 3.0
 Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Curriculum and Teaching, CURR 409 and Educational Foundations, EDFD 409.
Prerequisites: CURR 200 and admission to the Teacher Education Program.
- READ 410**
CHILDREN'S LITERATURE FOR A MULTICULTURAL SOCIETY 3.0
 This course seeks to examine multicultural children's literature as both aesthetic form and instructional tool. Students will examine the social, political and educational implications of such literature and its use in classrooms. The course will assist students in recognizing the significance of their development as critical readers, writers and thinkers. Additionally, the course will enable prospective and in-service teachers to serve their students in a more efficacious manner with an enhanced instructional repertoire. Meets the Human and Intercultural Relations Requirement.

EARTH AND ENVIRONMENTAL STUDIES

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Gregory A. Pope

The department offers a major in geography, a major in geoscience, a major in geoscience with concentration in environmental science, earth science teacher certification and a minor in geoscience.

The geography major leads to a Bachelor of Arts degree. The teaching emphasis in geography is on the formulation of concepts and theory, analysis of environmental and census data, data presentation techniques, interrelationships between human and natural elements, locational analysis and environmental and urban problem solving. Students may specialize in environmental studies, urban studies or geography and regional analysis by selecting appropriate elective courses. All specializations are applied in their nature and lead to careers in fields such as environmental management, city and regional planning, community development, economic development, transportation planning and real estate development. An important feature of the geography major is a recommended full semester, off-campus internship that enables students to work in public and private agencies.

The Geoscience major leads to a Bachelor of Science degree. Geoscience includes the study of earth materials, earth processes and earth history as well as the study of the earth's oceans and atmosphere. Students in the geoscience major are prepared for careers as professional geologists working for environmental planning and remediation companies, mining and petroleum industries, government agencies and civil engineering and construction companies. The geoscience major also prepares students for graduate study in the geological sciences and related specialties. Nearly all courses taken within the geoscience major include laboratory and off-campus field studies.

A concentration in environmental science is offered as an option within the geoscience major for those students seeking careers in the environmental consulting industry. This concentration includes biology, chemistry and nontraditional environmental geology courses not required for the standard geoscience major. Earth Science teaching certification is available for majors who also complete the professional teaching sequence. A minor in geoscience is also available.

Geography Major

Required Courses (15-16 semester hours)

	Semester Hours
EUGS 100 Principles of Geography	3
OR	
GEOS 107 Planet Earth	4
EUGS 101 Human Geography	3
OR	
EUGS 102 World Geography	3
EUGS 206 Introduction to American Urban Studies	3
EUGS 270 Geographic Information Systems I: Digital Mapping	3
EUGS 309 Research Methods	3
One of the following:	
EUGS 466 Senior Seminar in Geography	3
EUGS 464 Senior Seminar in Urban Studies	3

Major Electives (17-18 semester hours)

Select 17-18 semester hours from the following list (to complete a total of 36 semester hours for the major). Must include at least 3 semester hours each from Physical/Environmental, Urban, and Regional/Spatial Analysis, respectively.

Physical/Environmental Geography

BIOL 213 Introduction to Ecology	4
ENVR 410 Environmental Law	3
ENVR 456 Hydroclimatology	3
GEOS 201 Climatology	3
GEOS 254 Geomorphology and Climatology of North America	3

GEOS 257 Understanding Weather and Climate	4
GEOS/ENVR 252 Hydrology	3
GEOS/EUGS 352 Fluvial Geography	3
GEOS 403 Man's Impact on the Coastal Zone	4
GEOS 404 Geo-Ecology	3
GEOS 450 Principles of Soil Science	3
GEOS/ENVR 452 Geohydrology	3
GEOS 454 Environmental Geochemistry	3
GEOS 457 Meteorology	4
PHMS 210 Introduction to Marine Sciences	4

Urban Systems

EUGS 100 Principles of Geography	3
EUGS 204 Principles of Land Use	3
EUGS 209 Urban Design and Architecture	3
EUGS 213 Urban Geography	3
EUGS 234 Transportation	3
EUGS 300 World Resources and Industry	3
EUGS 301 Urban Field Studies	3
EUGS/HIST 312 Historical Geography of the US	3
EUGS 331 Urbanization and Environment	3
EUGS 408 Geopolitics	3
EUGS 460 Urban Planning	3
EUGS 462 People and Cities: Comparative Urban Studies	3

Regional and Spatial Analysis

EUGS 102 World Geography	3
EUGS 205 Geography of East and Southeast Asia	3
EUGS 208 Land and Life in Latin America	3
EUGS 303 Field Geography	3
EUGS 306 Geography of South Asia	3
EUGS 310 Quantitative Methods in Geography and Urban Studies	3
EUGS 412 Geography of Sub-Saharan Africa	3
EUGS 413 Geography of the Middle East	3
EUGS 424 Geography of New Jersey	3
EUGS/GEOS 470 Geographic Information Systems (GIS)	3
GEOS 251 Aerial Photograph Interpretation	4
GEOS 455/ENVR 455 Fundamentals of Remote Sensing of the Environment	3

Other courses listed in catalog that may be substituted for electives with approval from your advisor:

EUGS 425 Readings in Geography	3
EUGS 426 Independent Study in Geography	1-4
EUGS 427 Pro-seminar in Geography	3

Collateral Courses

Statistical Literacy	
MATH109 Statistics	3

Choose one of the following 8 sequences:

Physics:	
PHYS 193 College Physics I	4
PHYS 194 College Physics II	4
OR	
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Mathematics and Computer Science

MATH112 Precalculus Mathematics	3
CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3

Chemistry

CHEM120 General Chemistry I	4
CHEM121 General Chemistry II	4

Biology

BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4

Geoscience

GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4

Economics and Management	
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3

Sociology	
SOCI 201 Foundations of Sociological Inquiry	4
Plus a minimum of 4 additional semester hours of 200-400 level SOCI courses.	

Anthropology	
ANTH 100 Cultural Anthropology	3
ANTH 201 Contemporary Practical Anthropology	3
Choice of:	
ANTH 210 Urban Anthropology	3
OR	
any one ANTH Area Elective	

Concentration in Urban Studies

Required Courses

	Semester Hours
EUGS 100 Principles of Geography	3
EUGS 101 Human Geography	3
OR	
EUGS 102 World Geography	3
EUGS 206 Introduction to American Urban Studies	3
EUGS 309 Research Methods	3

Urban Studies Electives

Select 21 semester hours from the appropriate list to be obtained from the department	21
---	----

Concentration in Environmental Studies

Required Courses (22 semester hours)

	Semester Hours
GEOS 107 Principles of Geography	4
EUGS 102 World Geography	3
EUGS 206 Introduction to American Urban Studies	3
EUGS/GEOS 270 Geographic Information Systems (G.I.S.)	3
EUGS 309 World Resources and Industries	3
EUGS 466 Senior Seminar in Geography	3
MATH109 Statistics	3

Environmental Studies Core (32 semester hours)

ENVR/PSYC 109 The Human Environment	3
ENVR/GEOS 252 Hydrology	3
EUGS/ECON 300 World Resources and Industries	3
ENVR 410 Environmental Law	3
EUGS 331 Urbanization and Environment	3
OR	
GEOS 450 Principles of Soil Science	3
EUGS/GEOS 470 Geographic Information Systems (GIS)	3
OR	
ENVR/GEOS 455 Fundamentals of Remote Sensing	3

Choose one of the following natural science sequences:

a) BIOL 113 Principles of Biology II	4
BIOL 213 Introduction to Ecology	4
b) CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4

Choose one of the following social science policy sequences:

a) LSLW 200 Introduction to Law	3
LSPR 312 Foundations of Legal Research	3
b) ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3

Environmental/Geography Electives (6 semester hours)

Select six semester hours from the following:	
EUGS 204	Principles of Land Use3
EUGS 205	Geography of East and Southeast Asia3
EUGS 208	Land and Life in Latin America3
EUGS 209	Urban Design and Architecture3

EUGS 213 Urban Geography	3
EUGS 234 Transportation	3
EUGS 301 Urban Field Studies	3
EUGS 303 Field Geography	3
EUGS 306 Geography of South Asia	3
EUGS 310 Quantitative Methods in Geography and Urban Studies	3
EUGS/HIST 312 Historical Geography of the US	3
EUGS 331 Urbanization and Environment	3
(if not taken in the <i>Environmental Studies</i> core)	
EUGS/GEOS 352 Fluvial Geography	3
EUGS 408 Geopolitics	3
EUGS 412 Geography of Sub-Saharan Africa	3
EUGS 413 Geography of the Middle East	3
EUGS 424 Geography of New Jersey	3
EUGS 426 Independent Study in Geography	1-4
EUGS 427 Pro-seminar in Geography	3
EUGS 460 Urban Planning	3
EUGS 462 People and Cities: Comparative Urban Studies	3
EUGS 463 Internship	1-3
EUGS/GEOS 470 Geographic Information Systems (GIS)	3
(if not taken in the <i>Environmental Studies</i> core)	
ENVR 456 Hydroclimatology	3
ENVR/GEOS 452 Geohydrology	3
ENVR/GEOS 455 Fundamentals of Remote Sensing	3
(if not taken in the <i>Environmental Studies</i> core)	
GEOS 254 Geomorphology and Climatology of North America	3
GEOS 257 Understanding Weather and Climate	4
GEOS 404 Geo-Ecology	3
GEOS 450 Principles of Soil Science	3
(if not taken in the <i>Environmental Studies</i> core)	
GEOS 454 Environmental Geochemistry	3
GEOS 457 Meteorology	4
PHMS 210 Introduction to Marine Sciences	4

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Geoscience Major

Required Courses

	Semester Hours
GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
GEOS 431 Invertebrate Paleobiology	4
GEOS 434 Stratigraphy	4
GEOS 443 Mineralogy	4
GEOS 444 Petrology	4
GEOS 472 Structural Geology	3

Collateral Courses

CHEM 120, 121 General Chemistry I, II	4 each
---	--------

Select one of the following two sequences in mathematics:

MATH112 Precalculus Mathematics	3
MATH116 Calculus A	4
OR	
MATH122 Calculus I	4
MATH221 Calculus II	4

Select one of the following two sequences in physics:

PHYS 191, 192 University Physics I, II	4 each
PHYS 193, 194 College Physics I, II	4 each

Recommended in addition to the above:

CMPT 183 Foundation of Computer Science I	3
MATH109 Statistics	3

Electives (Departmental)

Select 11 semester hours from the appropriate list to be obtained from the department11

Concentration in Environmental Science

Required Courses

	Semester Hours
BIOL 132 Animal Form and Function	4
BIOL 213 Introduction to Field Ecology	4
BIOL 256 Applied Environmental Microbiology	3
CHEM 230 Organic Chemistry I	3
CHEM 232 Experimental Organic Chemistry I	2
GEOS 112 Physical Geology (required major course)	4
GEOS 450 Principles of Soil Science	3
GEOS 452 Geohydrology	3
Select one of the following:	
GEOS 454 Environmental Geochemistry	3
CHEM 320 Environmental Chemical Analysis	3

Research Requirement

GEOS 490 Seminar in Geoscience	
OR	
BIOL 490 Senior Seminar in Biology	2

Electives (Departmental)

Select a minimum of 3 s.h. from the following:

The following electives may not count as Geoscience major electives:

BIOL 300 Environmental Biology and Related Controversial Issues	3
BIOL 370 Principles of Ecology	4
BIOL 426 New Jersey Flora	4
BIOL 430 Field Ornithology	3
BIOL 460 Biological Oceanography	3
BIOL 461 Limnology	3

The following electives may count as Geoscience major electives:

GEOS 250 Map Reading and Cartography	4
GEOS 251 Aerial Photograph Interpretation	4
GEOS 310 Economic Geology	3
GEOS 457 Meteorology	4
GEOS 480 Field Studies in Geoscience	4

Geoscience Minor

Required Courses

	Semester Hours
GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
Select one of the following two sequences:	
GEOS 431 Invertebrate Paleobiology	4
GEOS 434 Stratigraphy	4
OR	
GEOS 443 Mineralogy	4
GEOS 444 Petrology	4

Electives (Departmental)

Select 3 semester hours from the appropriate list to be obtained from the department3

Urban Studies Minor

Required Courses

	Semester Hours
EUGS 206 Introduction to American Urban Studies	3
EUGS 462 People and Cities: Comparative Urban Studies	3
EUGS 463 Internship	12
EUGS 464 Senior Seminar in Urban Studies	3

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Geoscience majors qualify for the New Jersey Earth Science Teaching Certificate.

Second Teaching Field in Earth Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Geoscience Honors

- Geoscience Major
- Overall Grade Point Average 3.50
- Geoscience Grade Point Average 3.50
- Additional Courses
 - GEOS 491 Literature Research in Geoscience
 - GEOS 492 Laboratory Research in Geoscience
- Minimum of 40 Geoscience credits completed

Courses of Instruction

ENVR 109	
THE HUMAN ENVIRONMENT	3.0
An interdisciplinary course which explains the human impact, as social groups and individuals, on the natural environment. It explores the relationships and interconnectedness between natural processes and social, economic, cultural, technological, and political culture. Critical environmental issues are discussed. Cross listed with Psychology, PSYC 109. Meets the Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Contemporary Issues.	

ENVR 252	
HYDROLOGY	3.0
Water, its availability, distribution and usefulness. Hydrologic cycle examined in detail. Interaction with man and his usage. Applications to models and systematic processes. Cross listed with Earth and Environmental Studies, GEOS 252.	
<i>Prerequisite: Special fee.</i>	

ENVR 313	
ENVIRONMENTAL POLICY	3.0
The course studies U.S. environmental policy in air, water, land use, agriculture, energy, and waste disposal and other areas. It examines the major ideas that shape environmental policy, the institutional processes by which these ideas are turned into policy, and how these policies affect both U.S. and global environments. Issues of international environmental policy will also be discussed.	

ENVR 410	
ENVIRONMENTAL LAW	3.0
The study of the National Environmental Policy Act; the Environmental Impact Statement; the Clean Air Act; the Clean Water Act; Toxic Substances Control Act; Solid and Hazardous Waste; related environmental laws, i.e., OS&H Act; and litigation are analyzed. Aspects of environmental law, within which institutions and corporations must operate, are discussed. Cross listed with Earth and Environmental Studies, EUGS 410.	

ENVR 452	
GEOHYDROLOGY	3.0
The study of ground water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, GEOS 452.	
<i>Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. Special fee.</i>	

ENVR 455	
FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT	3.0
Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, GEOS 455.	
<i>Prerequisites: GEOS 112 or GEOS 107 or GEOS 125 or EUGS 100. Special fee.</i>	

- ENVR 456**
HYDROCLIMATOLOGY 3.0
 Climatology emphasizing moisture as one of the fundamental factors in climatic analysis; processes and problems of classification and variability. Examines energy and water balance.
Prerequisite: Special fee.
- EUGS 100**
PRINCIPLES OF GEOGRAPHY 3.0
 The course studies the major elements of the natural environment and their interrelation. The principles and processes essential to the understanding of the natural environmental system and their significance are stressed. The elements studied include: atmosphere, weather and climate, continents, landforms, river systems, ocean currents and tides, soils, vegetation, animal and marine life. Meets the 1983 General Education Requirement (GER) - Natural Physical Science, Non-Laboratory Science Only.
- EUGS 101**
HUMAN GEOGRAPHY 3.0
 Human Geography presents the interaction of culture and environment. Variations in environment and culture result in great differences how culture is imprinted upon the environment. The role of politics, language, religion, economics, urban systems, and technology reveal the relative intensity with which culture roots in nature. Emphasis is upon culture as a force that shapes the human use of the earth. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Social Science, Survey Course.
- EUGS 102**
WORLD GEOGRAPHY 3.0
 World geography aims to present essential facts and concepts about the natural and human environment of major regions and countries. The course presents a picture of regions as developed through the interactions of natural, cultural, economic and political forces. Geopolitical, social and economic relationships between and among countries are studied. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Social Science, Topic Course.
- EUGS 206**
INTRODUCTION TO AMERICAN URBAN STUDIES 3.0
 An interdisciplinary introduction to the development of American cities and their suburbs, with an emphasis on current patterns of urbanism and urbanization. The growth and evolution of metropolitan systems, urban-suburban ecology, and planning responses to critical metropolitan issues. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
- EUGS 207**
GEOGRAPHY OF EAST AND SOUTHEAST ASIA 3.0
 Regional analysis of East Asia (China and Japan) and Southeast Asia (Indonesia); (1) physical environment; (2) human landscape and their cultural heritages; (3) contemporary issues including economic development, political configurations, and environmental problems. Meets Gen Ed 2002-Social Science, Non-Western Cultural Perspectives.
- EUGS 208**
LAND AND LIFE IN LATIN AMERICA 3.0
Land and Life in Latin America is a regional survey course that explores and explains the physical-human interface and the constantly changing environmental societal needs. The course focuses on the functional processes that mold contemporary states and regional realignments. Emphasis is upon environmental conservation, demographic transitions, the role of culture and politics to foster a viable ecumene. Meets Gen Ed 2000 Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
- EUGS 213**
URBAN GEOGRAPHY 3.0
 Principles of location, interaction in the socioeconomic spheres, and the increasing importance of sustainable environmental management are dominant themes. Close attention to socio-spatial conditions, especially the housing sector, are addressed, as well as the suburbanization process and the urban sprawl challenge to a viable long-term urban system. Assignments are structured to introduce students to professional presentations of data, both maps and graphics, and written analysis. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- EUGS 234**
TRANSPORTATION 3.0
 Transportation is the study of spatial interaction of economic factors and societal functioning. Transportation flows are analyzed in the context of technological change, degree of accessibility, different transport cost surfaces, and transportation as it relates to land use planning.
- EUGS 270**
GEOGRAPHIC INFORMATION SYSTEMS I: DIGITAL MAPPING 3.0
 Introduces the basic principles of Geographic Information Systems (GIS) with focus on digital mapping and cartographic science, including graphic design, spatial data portrayal and inquiry, map overlays, and applications.
Prerequisite or corequisite: CMPT 109 or CMPT 183. Special fee.
- EUGS 300**
WORLD RESOURCES AND INDUSTRIES 3.0
 Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Economics and Finance, ECON 300.
- EUGS 309**
RESEARCH METHODS 3.0
 The course introduces a widely used statistical package to analyze data. The application and interpretation of results of frequently used statistical techniques remains the primary focus. Survey research techniques are stressed. All the steps in the completion of a research project are emphasized. Meets the University Writing Requirement for GEEN, GEOG, GEUR majors.
- EUGS 312**
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
 The slow pace of settlement of the Eastern Seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1800. Cross listed with History, HIST 312.
- EUGS 331**
URBANIZATION AND ENVIRONMENT 3.0
 Examines interaction between man and the physical urban environment. Studies dynamic and physical processes as related to air, water and noise pollution, and hydrologic and geologic hazards.
- EUGS 352**
FLUVIAL GEOGRAPHY 3.0
 Detailed study of streams and rivers emphasizing processes causing variations of size and shape; the morphology of streams and stream channels; processes, quantitative techniques. Cross listed with Earth and Environmental Studies, GEOS 352.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- EUGS 408**
GEOPOLITICS 3.0
 Main theories of the field and their application to selected political entities, current problem zones and the spatial interaction of nations.

- EUGS 410**
ENVIRONMENTAL LAW 3.0
 The study of the National Environmental Policy Act; the Environmental Impact Statement; the Clean Air Act; the Clean Water Act; Toxic Substances Control Act; Solid and Hazardous Waste; related environmental laws, i.e., OS&H Act; and litigation are analyzed. Aspects of environmental law, within which institutions and corporations must operate, are discussed. Cross listed with Earth and Environmental Studies, ENVR 410.
- EUGS 412**
GEOGRAPHY OF SUB-SAHARA AFRICA 3.0
 Topical and regional study of African soils, vegetation, climate, physiography, mineral resources and other aspects of the physical environment in the light of man's habitation of the continent. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- EUGS 413**
GEOGRAPHY OF THE MIDDLE EAST 3.0
 Topical study of area extending from Morocco to Iran: arid land agriculture, nomadism, land tenure systems, settlement patterns, problems of industrial development, and socio-economic and military implications of region's oil wealth. Includes Arab culture and Islamic influences on urban and rural landscapes. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- EUGS 424**
GEOGRAPHY OF NEW JERSEY 3.0
 Demographic and economic organization of the State. Spatial contrasts in population density; suburban-central city interactions; the influence of New York and Philadelphia on landscape organization. Philosophical concepts of regionalism and investigation of micro-regionalism in New Jersey.
- EUGS 426**
INDEPENDENT STUDY IN GEOGRAPHY 1.0-4.0
 Preparation of a research paper or project to be presented to members of the staff.
Prerequisites: Junior and senior majors only; departmental approval.
- EUGS 427**
PRO-SEMINAR IN GEOGRAPHY 3.0
 Problem-oriented seminar. Specific topics in urban, environmental studies or geography. Content changes according to the needs of the instructor. May be taken three times for a total of 9 credits.
- EUGS 460**
URBAN PLANNING 3.0
 The course focuses on the principles, processes, and practices of urban planning. The formulation of policies and the management roles of the planning agencies are emphasized.
- EUGS 462**
PEOPLE AND CITIES: COMPARATIVE URBAN STUDIES 3.0
 Introduction and cross-cultural investigation of the processes of urbanism and urbanization: formation, structure and functioning of cities throughout the world. Cross listed with Anthropology, ANTH 462.
- EUGS 463**
INTERNSHIP 3.0-12.0
 A full semester internship in an urban or environmental agency. Students will be expected to carry out agency assignments, observe and participate in decision making processes and engage in middle management activities.
Prerequisite: Departmental approval and at least 24 semester hours in the major.
- EUGS 464**
SENIOR SEMINAR IN URBAN STUDY (URBAN STUDIES INTERNSHIP) 3.0
 A seminar to be taken in conjunction with the urban studies semester internship, and designed as a synthesis of the various approaches in urban studies which the student has acquired in previous urban-related courses. Each semester the seminar focuses upon a specific in-the-field research project, and an analysis and evaluation of the student's internship experience.
Prerequisite: Departmental approval.
- EUGS 465**
HONORS RESEARCH 3.0
 Provides original research experience to superior undergraduates.
Prerequisite: Departmental approval.
- EUGS 466**
SENIOR SEMINAR GEOGRAPHY 3.0
 The course provides students with the tools and experience to develop and complete a geographic research project from start to finish. Students will be introduced to issues associated with becoming a professional geographer. Students will produce a senior thesis.
Prerequisite: Senior standing.
- EUGS 470**
GEOGRAPHIC INFORMATION SYSTEMS (G.I.S.) 3.0
 This course deals with fundamental principles and applications of G.I.S. Various ways in which G.I.S. can be used in planning and management analysis and research will be discussed. Students will learn the issues which need to be considered when planning and implementing G.I.S. One or two widely used software packages will be employed as a tool to study G.I.S. applications. Cross listed with Earth and Environmental Studies, GEOS 470.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
- GEOS 107**
PLANET EARTH 4.0
 An introduction to the physical characteristics of the planet Earth. The focus is on processes and interactions of the four components of the earth system: atmosphere, hydrosphere, lithosphere and biosphere. An understanding of the human impact on Earth systems is also developed and maintained in perspective. Satellite information, aerial photography, maps, charts and other Geographic Information Systems technologies are used to study planet Earth in this course. Meets Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.
- GEOS 108**
PRINCIPLES OF GEOLOGY 3.0
 Geologic materials and processes. Origin and development of the earth throughout geologic time. Evolution of life as interpreted through the study of fossils. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.
Prerequisite: Not open to geoscience majors or to those who have taken GEOS 112, Physical Geology.
- GEOS 110**
NATURAL DISASTERS 3.0
 The study of natural disasters such as volcanic activity, earthquakes and hurricanes: the causes, effects and means of predicting, preventing and minimizing the effects of disasters will be discussed. The relationships between man and his sometimes hostile habitat will be included. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.
Prerequisite: Not open to Geoscience majors.
- GEOS 112**
PHYSICAL GEOLOGY 4.0
 Materials of the Earth; landforms and structures; the processes and agents responsible for their formation and modification. Modern tectonic concepts. Topographic and geologic maps. Required field trips. Meets Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Not open to students who have had Principles of Geology. Special fee.
- GEOS 114**
HISTORICAL GEOLOGY 4.0
 Geological history of the earth; the evolution of North America in terms of the changing geography, climate, and plant and animal life as interpreted from the rock and fossil record. Required field trips. Meets Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.

- GEOS 125**
EARTH AND THE ENVIRONMENT 4.0
 The study of the natural processes of the earth and the effects of human activities on the environment. Earth materials, processes and systems, and the engineering properties of natural materials will be discussed, as well as pollution of soil, water and air. Meets the Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Sciences, Laboratory or Non-Laboratory Science.
Prerequisite: Not open to those who have had GEOS 107 Planet Earth, GEOS 108 Principles of Geology or GEOS 112 Physical Geology. *Special fee.*
- GEOS 162**
GENERAL OCEANOGRAPHY 3.0
 A general study of the oceans and methods of modern oceanography including the physical, chemical, geological, and biological aspects of the oceans and their interrelationships. This course is designed for non-science majors. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-Laboratory Science Only.
- GEOS 252**
HYDROLOGY 3.0
 Water, its availability, distribution and usefulness. Hydrologic cycle examined in detail. Interaction with man and his usage. Applications to models and systematic processes. Cross listed with Earth and Environmental Studies, ENVR 252.
Prerequisite: *Special fee.*
- GEOS 254**
GEOMORPHOLOGY AND CLIMATOLOGY OF NORTH AMERICA 3.0
 Major controls of climate and the landforms of North America are analyzed in order to gain an understanding of how the continent compares and is related to the rest of the world. The basis and distinct characteristics of the subdivisions of North America are examined in order to bring out contrasts and unique features within the continent.
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. *Special fee.*
- GEOS 257**
UNDERSTANDING WEATHER AND CLIMATE 4.0
 Presents a basic understanding of the dynamic atmosphere, and explores the impacts that weather and climate have on humans and the biosphere. Basic physical laws of energy and motion are employed to explain temperature, precipitation, atmospheric circulation, storms, and how climates vary regionally. Connections are made toward management of weather hazards, air pollution, impacts on agriculture and economy, and environmental and social implications of climate change. Lectures are supplemented by current events discussions and hands-on exercised in laboratory sections. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science for students who take the course Fall 2002 or thereafter. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-Laboratory Only for students who prior to Fall 2002 took the three-credit course GEOS 157 *Understanding the Weather*, which did not have a laboratory component.
Prerequisite: *Special fee.*
- GEOS 352**
FLUVIAL GEOGRAPHY 3.0
 A detailed study of streams and rivers emphasizing processes causing variations in size and shape. The course analyses the morphology of stream channels. The course is quantitative and stresses processes. Cross listed with Earth and Environmental Studies, EUGS 352.
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. *Special fee.*
- GEOS 360**
OCEANOGRAPHY 3.0
 Study of the physical and chemical properties of sea water, oceanic circulation, waves and tides, and estuarine and shoreline processes.
Prerequisite: GEOS 162 or 112. *Special fee.*
- GEOS 431**
INVERTEBRATE PALEOBIOLOGY 4.0
 Invertebrate fossils—their classification, morphology, evolution, stratigraphic distribution and paleoecology. Required field trips.
Prerequisite: GEOS 114. *Special fee.*
- GEOS 434**
STRATIGRAPHY 4.0
 Stratigraphic principles and their application. Case studies of selected regions. Local stratigraphy interpreted through field studies.
Prerequisite: GEOS 431. *Special fee.*
- GEOS 443**
MINERALOGY 4.0
 Crystallography, internal structure, origin, occurrence, and properties of minerals, laboratory study of common minerals. Required field trips. Meets the University Writing Requirement for GEES, GEOS majors.
Prerequisites: GEOS 112 and CHEM 120. *Special fee.*
- GEOS 444**
PETROLOGY 4.0
 Description, identification, classification, origin and occurrence of sedimentary, igneous and metamorphic rocks. Laboratory study of the common rocks. Required field trips. Meets the University Writing Requirement for GEEN, GEES, GEOS majors.
Prerequisite: GEOS 443. *Special fee.*
- GEOS 450**
PRINCIPLES OF SOIL SCIENCE 3.0
 Origin, composition, properties and classification of soils. Additional topics include water in soils and human impact on soil resources. Laboratory covers the measurement of soil properties and principles of soil mapping and soil resource assessment. Field trips are required.
Prerequisites: GEOS 112 and CHEM 120. *Special fee.*
- GEOS 452**
GEOHYDROLOGY 3.0
 The study of ground-water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, ENVR 452.
Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. *Special fee.*
- GEOS 454**
ENVIRONMENTAL GEOCHEMISTRY 3.0
 Chemical principles and methods applied to the study of interactions among lithosphere, hydrosphere and atmosphere. Topics such as water pollution, waste disposal and human impact on global geochemical cycles will be discussed. Laboratory will stress the measurement of chemical properties related to water and soil quality as well as computer modeling of chemical transport in porous media.
Prerequisites: GEOS 112 and CHEM 121. *Special fee.*
- GEOS 455**
FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT 3.0
 Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, ENVR 455.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. *Special fee.*
- GEOS 470**
GEOGRAPHIC INFORMATION SYSTEMS (G.I.S.) 3.0
 This course deals with fundamental principles and applications of G.I.S. Various ways in which G.I.S. can be used in planning and management analysis and research will be discussed. Students will learn the issues which need to be considered when planning and implementing G.I.S. One or two widely used software packages will be employed as a tool to study G.I.S. applications. Cross listed with Earth and Environmental Studies, EUGS 470.
Prerequisite: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. *Special fee.*
- GEOS 472**
STRUCTURAL GEOLOGY 3.0
 Recognition and interpretation of primary and tectonic rock structures. Laboratory work emphasizes the analysis of faults, joints, folds and foliation. Required field trips.
Prerequisites: GEOS 112 and GEOS 114 and MATH 116 or 122. *Special fee.*

GEOS 480
FIELD STUDIES IN GEOSCIENCE 4.0
Use of geologic, meteorologic and oceanographic instruments in field investigations, interpretation of observations and writing a field report. Required field trips.
Prerequisite: GEOS 434 or GEOS 444 or GEOS 472. Special fee.

GEOS 484
GEOLOGY FIELD TRIP 1.0
A five-day to one-week trip through areas of geologic significance. A geoscience major is expected to participate in at least two of the trips. Field trip report and collection required. Expenses shared by the participants.
Prerequisites: GEOS 112 and 114.

GEOS 490
SEMINAR IN GEOSCIENCE 2.0
Student field, laboratory and library investigation of a problem in the area of his/her interest in geoscience; results presented in oral and written form. Class discussion of the individual papers and of other pertinent topics of current interest in geoscience. Not offered every year.
Prerequisite: Departmental approval.

GEOS 491
LITERATURE RESEARCH IN GEOSCIENCE 2.0
Each participating student conducts an in-depth library research of a specific problem of his/her interest in geoscience under the guidance of a sponsoring faculty member. The results of the study will be presented in a written research-style report.
Prerequisite: Departmental approval.

GEOS 492
LABORATORY RESEARCH IN GEOSCIENCE 1.0-4.0
Each student conducts individual research on a specific problem in geoscience under the guidance of a sponsoring faculty member. The research may be based on earlier field or literary investigations. The results of the study will be presented in a written research-style report.
Prerequisite: Departmental approval.

GEOS 494
SELECTED TOPICS IN GEOSCIENCE 1.0-4.0
An in-depth study of a particular topic in geoscience, the specific subject matter of which is not offered regularly in an existing course.
Prerequisite: Departmental approval.

GEOS 495
INDEPENDENT STUDY IN GEOSCIENCE 1.0-4.0
An opportunity for the qualified student to do library and/or laboratory investigation in a field of science of his/her choice under the guidance of a faculty member. The course is conducted exclusively by scheduled individual conferences and reports. (Offered on demand.)
Prerequisite: Majors only; departmental approval.

PHMS 210
INTRODUCTION TO MARINE SCIENCES 4.0
A general study of the marine sciences, including origin and evolution of the oceans, physical and chemical properties of seawater, marine life, oceanic circulation, atmospheric-ocean exchange and other processes that take place in the oceans. This course also deals with marine resources and human interaction with the marine environment. Field trips required. May be taught off-campus at the New Jersey Marine Sciences Consortium in the summer. Meets Gen Ed 2002-Natural/Physical Science Laboratory.
Prerequisite: Departmental approval. Not open to those who have taken GEOS 162 General Oceanography. Special fee.

PHMS 460
MARINE SCIENCE EDUCATION 3.0
Selected field experiences and laboratory methods utilized to develop resources from the marine environment to be used in teaching the various disciplines. Offered at the site of the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.

PHMS 490
FIELD METHODS IN THE MARINE SCIENCES 4.0
The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture, 4 hours laboratory.)
Prerequisite: Departmental approval.

PHMS 498
INDEPENDENT STUDY IN THE MARINE SCIENCES 1.0-4.0
Individual research projects will be selected under the guidance of a professor associated with the consortium. Open only to those advanced undergraduate students who have indicated a potential for original thinking. Offered at the New Jersey Marine Sciences Consortium.
Prerequisite: Departmental approval.

ECONOMICS AND FINANCE

SCHOOL OF BUSINESS

Chairperson: Sang-Hoon Kim

Economics is the study of how market and non-market institutions can best allocate relatively scarce resources to promote individual and social welfare. As such, it offers well-defined mechanisms for analyzing a wide array of theoretical and policy-oriented issues. Finance builds on the foundations of economics to provide students with a professional background in both corporate finance and investments. Together, the curriculum in economics and finance is designed to contribute to a broad-based liberal arts education by expanding a student's perception of the economic and financial decisions that individuals and societies must make under widely varying conditions. Strong emphasis is given to the development of skills in analytical reasoning, quantitative fluency, written and oral communications, as well as creative excellence.

The Department currently offers four undergraduate programs. The undergraduate programs are: the B.A. in Economics, the B.A. in Economics with a Concentration in Business Economics, the B.S. in Business Administration with a Concentration in Economics, and the B.S. in Business Administration with a Concentration in Finance. The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number. In addition to preparing students for direct career experience in business, government and the professions, the program provides excellent preparation for graduate work in Economics, Finance, and in related disciplines. Departmental faculty also support the Concentration in Economics and the Concentration in Finance in Montclair State's M.B.A. program, as well as the Concentration in Economics in Montclair State's M.A. in Social Sciences. Given the active participation of faculty in teaching, research, and community service, the undergraduate programs in Economics and Finance benefit from the skills of highly experienced professionals.

Economics Major

Students who wish to major in Economics should consult with the chairperson of the department for admissions standards applicable to first-year, internal and external transfer students. Copies of the program guide and worksheet are available through the Department of Economics and Finance.

Required Courses:

	Semester Hours
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 420 Econometrics	3
ECON 438 Advanced Seminar in Economics	3
INFO 270 Statistics for Business	3

Elective Courses

Select 15 semester hours from the courses listed below:

ECON 206 Managerial Economics	3
ECON 215 The Economics of Social Problems	3
ECON 250 Selected Topics in Economics	3
ECON 300 World Resources and Industries	3
ECON 301 Money and Banking	3
ECON 303 Economic Growth and Development	3
ECON 308 Public Finance	3
ECON 311 Labor Economics	3
ECON 312 Business Cycles and Forecasting	3
ECON 401 Financial Institutions	3
ECON 402 International Economics	3
ECON 403 Comparative Economic Systems	3
ECON 405 Economic Development of Sub-Saharan Africa	3

Collateral Courses:

INFO 273 Introduction to Computers in Business	3
INFO 320 Administrative Business Communications	3
MATH 114 Mathematics for Business II: Calculus	3

Graduation in Economics requires that a student complete a total of 39 credits in the major. Additional information on first year, transfer, and readmission standards, along with course updates, scheduling sequences, departmental honors, and graduation requirements are found in the Undergraduate Program Guide, available through the department.

Concentration in Business Economics

Required Economics and Business Courses:

	Semester Hours
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
ECON 207 Intermediate Microeconomic Analysis	3
ECON 208 Intermediate Macroeconomic Analysis	3
ECON 420 Econometrics	3
ECON 438 Advanced Seminar in Economics	3
ACCT 201 Fundamentals of Financial Accounting	3
ACCT 202 Fundamentals of Managerial Accounting	3
FINC 321 Fundamentals of Finance	3
INFO 270 Statistics for Business	3
MGMT 231 Management Processes	3

Economics Electives:

Students must select 6 semester hours from the following:

ECON 301 Money and Banking	3
ECON 308 Public Finance	3
ECON 311 Labor Economics	3
ECON 312 Business Cycles and Forecasting	3
ECON 401 Financial Institutions	3
ECON 402 International Economics	3
ECON 403 Comparative Economic Systems	3

Business Electives:

Students must select 9 semester hours from the following:

ACCT 301 Intermediate Accounting I	3
ACCT 307 Cost Accounting	3
INFO 371 Management Information Systems	3
FINC 322 Capital Budgeting	3
FINC 326 Investment Principles	3
FINC 327 International Financial Management	3
FINC 430 Futures/Options and Other Derivatives	3

Collateral Courses:

INFO 273 Introduction to Computers in Business	3
INFO 320 Administrative Business Communications	3
MATH 114 Mathematics for Business II: Calculus	3

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Economics Minor

The department maintains a minor program for all majors at Montclair State. It involves the completion of 18 semester hours from courses in Economics, 12 credits of which are based on ECON 101 Principles of Economics Macro, ECON 102 Principles of Economics Micro; ECON 207 Intermediate Microeconomic Analysis; and ECON 208 Intermediate Macroeconomic Analysis, with 6 credits at the 300 and 400 level to be selected from a program list available through the department.

Business Administration Major

Students majoring in Business Administration must complete 33 semester hours of core courses, and 12 semester hours of collateral courses. Students should consult with the Academic Advisor of the School of Business Administration regarding admission standards for first-year, internal and external transfer students.

Required Core, Business Administration (33 s.h.)

		Semester Hours
ACCT	201	Fundamentals of Financial Accounting3
ACCT	202	Fundamentals of Managerial Accounting3
BSLW	264	Legal, Ethical and Global Environment of Business3
FINC	321	Fundamentals of Finance3
INFO	270	Statistics for Business3
INFO	371	Management Information Systems3
INFO	375	Operations Analysis3
MGMT	231	Management Processes3
MGMT	439	Business Policy3
MKTG	240	Introduction to Marketing3
MKTG	346	Introduction to International Business3

Collateral Courses

MATH	114	Mathematics for Business II: Calculus3
ECON	101	Principles of Economics: Macro3
ECON	102	Principles of Economics: Micro3
INFO	273	Introduction to Computers in Business3

Concentration in Economics

Required Economics Courses

		Semester Hours
ECON	206	Managerial Economics3
	OR	
ECON	207	Intermediate Microeconomic Analysis3
ECON	208	Intermediate Macroeconomic Analysis3
ECON	301	Money and Banking3

Economics Electives

Select 2 courses from the following:

ECON	303	Economic Growth and Development3
ECON	308	Public Finance3
ECON	311	Labor Economics3
ECON	312	Business Cycles and Forecasting3
ECON	401	Financial Institutions3
ECON	402	International Economics3
ECON	403	Comparative Economic Systems3
ECON	420	Econometrics3

Business Administration Electives

INFO	320	Business Communications3
And select 9 semester hours from the appropriate list to be obtained from the department9		

Concentration in Finance

Required Finance Courses

		Semester Hours
FINC	322	Capital Budgeting Management3
FINC	326	Investment Principles and Portfolio Theory3
FINC	327	International Financial Management3
FINC	490	Seminar in Finance3

Finance Elective

Select one course from the following:

FINC	423	Advanced Corporate Finance3
FINC	425	Working Capital Management3
FINC	429	Real Estate Investments3
FINC	430	Futures/Options3
FINC	431	Advanced International Financial Management3
ECON	301	Money and Banking3
ECON	401	Financial Institutions3

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department12

Courses of Instruction

ECON 100
INTRODUCTION TO ECONOMICS 3.0
Major objectives and features of the American economy, including operations of a market economy, structure and function of business, money and banking, government and business relations. For non-majors only. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.
Prerequisites: Not open to Economics majors; may not be taken after ECON 101 and/or ECON 102.

ECON 101
PRINCIPLES OF ECONOMICS: MACRO 3.0
A study of the American economy, analytically and institutionally; the achievement of an optimal allocation of resources, price stability, full employment level of national income and long term growth. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

ECON 102
PRINCIPLES OF ECONOMICS: MICRO 3.0
Organization and operation of the American economy for the production and distribution of goods and services. Pricing of products and factors of production in market situations varying from competition to monopoly. Resource allocation, price determination and behavior of the firm in the determination of quantity of output and the hiring of factors of production. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

ECON 206
MANAGERIAL ECONOMICS 3.0
The application of economic theory in the decision-making processes of the firm; utilization of economic analysis in the study of demand, costs, pricing and capital investment decisions.
Prerequisites: ECON 203; or ECON 101 and ECON 102 and INFO 270; or ECON 101 and ECON 102 and INFO 271.

ECON 207
INTERMEDIATE MICROECONOMIC ANALYSIS 3.0
The basic determinants of market demand. Input-output relationships in determining cost structure. Determination of prices received by resource owners in the productive process. Theory of the firm and pricing in different types of market organization with varying degrees of competitive conditions.
Prerequisites: ECON 101 and ECON 102.

ECON 208
INTERMEDIATE MACROECONOMIC ANALYSIS 3.0
The factors comprising aggregate demand and how they interact to determine the level of employment, output and the price level, the role of monetary and fiscal policy.
Prerequisites: ECON 101 and ECON 102.

ECON 215
THE ECONOMICS OF SOCIAL PROBLEMS 3.0
The extent, causes and consequences of poverty, inequality and insecurity. An appraisal of reforms, social insurance, medical care, public housing, rural development. The economics of discrimination and educational opportunity. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

ECON 250
SELECTED TOPICS IN ECONOMICS 3.0
An in-depth study of a particular theoretical or applied area of economics.

- ECON 300**
WORLD RESOURCES AND INDUSTRIES 3.0
 Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Earth and Environmental Studies, EUGS 300.
- ECON 301**
MONEY AND BANKING 3.0
 An analysis of the economic role of money and credit in our economy with primary emphasis on federal reserve and treasury operations.
Prerequisites: ECON 101 and ECON 102.
- ECON 303**
ECONOMIC GROWTH AND DEVELOPMENT 3.0
 Problems of hastening the growth of countries with low incomes per person; the requisites for the economic development, the obstacles to such development, the strategy and tactics of development and aid for development. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
Prerequisite: ECON 207.
- ECON 308**
PUBLIC FINANCE 3.0
 The impact of governmental expenditures, taxes and debt operation on resource allocation, income distribution, economic stabilization and economic growth.
Prerequisite: ECON 207 or ECON 206.
- ECON 311**
LABOR ECONOMICS 3.0
 The determinants of wages in the organized and unorganized markets; a historical survey and analysis of the principal institutions and central processes in the labor and manpower areas, an examination of current issues in labor relations.
Prerequisite: ECON 207 or ECON 206.
- ECON 312**
BUSINESS CYCLES AND FORECASTING 3.0
 Fluctuations in economic activity which characterize modern industrial economies. Definitions, descriptions and statistical measurement of business cycles are presented along with theories describing the causes of the cycles. Practical application of forecasting techniques to predict the course of future economic and business activity.
Prerequisites: ECON 203, or INFO 270 or INFO 271 and ECON 208.
- ECON 314**
DEVELOPMENT OF ECONOMIC THOUGHT 3.0
 Broadening and improving the command of modern economic theory by examining the outstanding contributors to economic thought over the past two centuries.
Prerequisites: ECON 101 and 102.
- ECON 398**
ECONOMIC INDEPENDENT STUDY 3.0
 Independent study for juniors and seniors who have developed a special interest as a result of work in a course or who wish to develop their interest through their own guided reading. A member of the Economics Department guides the student in his research and reading.
Prerequisite: Departmental approval.
- ECON 401**
FINANCIAL INSTITUTIONS 3.0
 The structure and operation of financial institutions, their role in the economy and in the money and capital markets. The techniques and objectives of monetary policy and its effect on financial institutions.
Prerequisite: ECON 208 or ECON 301.
- ECON 402**
INTERNATIONAL ECONOMICS 3.0
 The how, why and consequences of the movement of goods, services and factors of production in international exchange and an examination of the financial arrangements used to facilitate trade.
Prerequisites: ECON 101 and ECON 102.
- ECON 403**
COMPARATIVE ECONOMIC SYSTEMS 3.0
 The economic systems of planned and mixed economies with special emphasis on the Soviet Union, China, the United Kingdom, the Scandinavian countries and the United States. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
Prerequisites: ECON 101 and ECON 102.
- ECON 420**
ECONOMETRICS 3.0
 An introduction to the techniques of applied economic (social science) research. Examination of the tools necessary for applied economic research and methods for dealing with certain problems inherent in economic data. The primary emphasis will be on the application of the techniques to economic data.
Prerequisites: ECON 101 and ECON 102 and ECON 203 or FINQ 270 or INFO 271.
- ECON 438**
ADVANCED SEMINAR IN ECONOMICS 3.0
 A seminar designed to integrate economic theory, quantitative tools, and institutional knowledge in a series of applied issues. Students are required to undertake a number of specific oral and written projects that describe their understanding of key elements within the discipline. This course serves as a capstone for Economic students.
Prerequisites: ECON 207 and ECON 208 and ECON 420; seniors only; Economic majors only.
- ECON 497**
ECONOMICS INDEPENDENT STUDY 3.0
 Open to students who wish to undertake reading and/or research in specialized areas of economics.
Prerequisite: Departmental approval.
- FINC 321**
FUNDAMENTALS OF FINANCE 3.0
 Financial statements and financial forecasting. Introduction to risk, return, and value. Introduction to working capital management, capital budgeting, optimum capital structure, and dividend policy.
Prerequisites: INFO 270 or INFO 271; and ECON 101; and ACCT 201; and major within the School of Business.
- FINC 322**
CAPITAL BUDGETING MANAGEMENT 3.0
 Analysis of various investment criteria, especially net present value and internal rate of return. Risk in capital budgeting, capital budgets and performance evaluation, stressing the distinction between accounting and financial criteria. Application of concepts and techniques to such issues as leasing, mergers and acquisitions.
Prerequisites: FINC 321; major within the School of Business.
- FINC 326**
INVESTMENT PRINCIPLES AND PORTFOLIO THEORY 3.0
 A review of risk and analysis and methods of valuing, fixed-income and equity instruments, the efficient frontier, portfolio theory, the capital asset pricing model and an introduction to option and futures market.
Prerequisites: FINC 321; major within the School of Business.
- FINC 327**
INTERNATIONAL FINANCIAL MANAGEMENT 3.0
 Introduction to multinational business finance. Foreign exchange markets and exchange rate forecasting. Balance of payment accounts, measures of surplus or deficit and their relevance to financial planning. International financial markets and international banking. Import and export financing. Positioning of funds.
Prerequisites: FINC 321; major within the School of Business.
- FINC 423**
ADVANCED CORPORATE FINANCE 3.0
 Interaction of investment and financing decisions. Optimal capital structure and dividend policy: The Miller-Modigliani propositions. Calls and puts. Option valuation models. Valuation of risky debt and term structure of interest rates. Warrants and convertibles.
Prerequisites: FINC 322; major within the School of Business.

FINC 425

WORKING CAPITAL MANAGEMENT 3.0

Detailed treatment of topics such as components of working capital; cash budgeting; short-term financial planning. Credit management; cash and inventory management; short-term lending and borrowing.

Prerequisite: FINC 321; major within the School of Business.

FINC 429

REAL ESTATE INVESTMENT 3.0

Covers mortgage financing, ownership forms, tax factors, inflation, leverage, risk/return, cash flow projection, holding period, and disposition strategy. Examines the rent or house-buying decision; land, apartment building, office building, and shopping center investments; and the current investment climate.

Prerequisite: FINC 321.

FINC 430

FUTURES/OPTIONS, AND OTHER DERIVATIVES 3.0

This course introduces students to derivative instruments including options, futures and swaps. Definitions, concepts, and strategies are explained. Valuation methods are presented. This course also discusses different hedging strategies.

Prerequisites: FINC 326; major within the School of Business.

FINC 431

ADVANCED INTERNATIONAL FINANCIAL MANAGEMENT 3.0

Measurement and management of foreign exchange exposure. Exchange and country risk. The Foreign Investment Decision, multi-national capital budgeting, cost of capital and financial structure.

Prerequisites: FINC 327; major within the School of Business.

FINC 490

SEMINAR IN FINANCE 3.0

The seminar is the terminal course in the concentration. It has two principal objectives. It provides students with an integrated overview of the major subfields of the concentration - Investments, Corporate and International Finance and Financial Markets and Institutions. Second, students will choose a research topic in consultation with the instructor, make a classroom presentation, and write a formal paper on the topic. Meets the University Writing Requirement for BAFN majors.

Prerequisites: FINC 322, and 326, and 327; major within the School of Business.

FINC 491

COOPERATIVE EDUCATION IN FINANCE 3.0-8.0

This course is aimed at synthesizing theory and practice. Students will be provided an opportunity to have an exposure to one or two off-campus on-job-trainings in various aspects of quantitative methods of one, or more businesses. Full-time students may alternate between school and business where as part-time students may take course in parallel with school.

Prerequisites: Departmental approval.

EDUCATIONAL FOUNDATIONS

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Mark Weinstein

As a society evolves, so does its educational responsibilities. The department meets these changing needs by developing innovative programs through comparative study, and philosophical and sociological theory. In this way, it also services and improves existing programs. The department offers undergraduate and graduate courses for the preparation of public school educators while meeting the specialized demands that are beyond the limits of the public schools. All of the department's courses serve as a sound background for our graduate M.Ed. concentrations in Critical Thinking and Philosophy for Children.

Courses of Instruction

EDFD 220

PHILOSOPHICAL ORIENTATION TO EDUCATION 3.0

Western philosophical heritage as related to the issues and responsibilities of American education. Comparative analysis of past and current ideological movements that influence moral, social, and educational decisions of parents, political leaders, and professional educators. Meets Gen Ed 2002–Humanities, Philosophy/Religion. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

EDFD 264

GENDER ISSUES IN EDUCATION 3.0

Examines the nature of gender, gender identity, gender roles and gender discrimination, and the influence of these on classrooms, schools and educational policy. Meets the Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Contemporary Issues. Meets the Multicultural Awareness Requirement.

EDFD 409

TEACHING FOR CRITICAL THINKING 3.0

Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Cross listed with Curriculum and Teaching, CURR 409 and Literacy and Educational Media, READ 409.

Prerequisites: CURR 200 and admission to the Teacher Education Program.

EDFD 449

CURRENT ISSUES IN AMERICAN EDUCATION 3.0

A study of recent initiatives, controversial questions, and current problems which impacted upon the field of education throughout the past decade, as well as an examination of new theories which may change the course of American education in the near future.

ENGLISH

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Larry Schwartz

The English Department offers instruction in interpreting and creating informative and imaginative texts, in the description and historical understanding of the English and American languages, and in the cultural understanding of world literatures written in English.

Students may major or minor in English, minor in journalism or film, concentrate in creative writing, or obtain a teaching certificate. The English Department participates in the Cooperative Education Program to offer students career-oriented work opportunities.

For English majors minoring in film or journalism: Only two minor courses may be counted towards the English major.

Students should note that ENWR 105 *College Writing I: Intellectual Prose* and ENWR 106 *College Writing II: Writing and Literary Study* are prerequisites for all other English courses with the exception of ENFL courses.

English Major

The English major consists of 34 semester hours of English courses including a required course, *The Pursuits of English* (4 semester hours) and 30 semester hours of English Department courses numbered 200 and above. Students must select courses that address two sets of guidelines. (Note that a single course may address more than one guideline.)

Guidelines, Part I. Address all three of the following areas as indicated:

Literature: Four literature courses. One course must pay significant attention to literature written prior to the year 1800. One must pay significant attention to literature written prior to 1900.

Writing: One writing-intensive course. This may be a course devoted to writing or one in which writing receives significant and focused attention as a mode of inquiry and expression. Courses which ask students to write only to demonstrate knowledge or mastery of course material do not satisfy this guideline.

Genre Study: Significant attention to at least three of these four genres: fiction, poetry, drama or film.

Guidelines, Part II. Address all of the following five guidelines:

Multinational Study: Significant attention to texts or films from at least one literature or culture other than American or British.

Minority Writers: Significant study of several writers from one or more minority cultures of this country, either in courses concentrating on them or in more general courses in which a significant number of the texts come out of minority cultures.

Women Writers: Significant study of women writers, either in courses concentrating on them or in more general courses in which a significant number of the texts are by women.

Gender Studies: Significant study of the development and/or expression of gender roles or identities in literary texts or films.

Class Issues: Significant study of issues of social class in literary texts or films.

Total number of semester hours34

Considerations: Most of these guidelines can be satisfied either by an entire course or a portion of a course. Since instructors may teach the same course differently, and course content may vary from semester to semester, students should consult departmental website for information about guidelines. A student may not receive credit for the same course more than once, except for courses titled "Special Topics" or "Seminar." Students are encouraged to plan, with advice, flexible programs to meet their own interests and needs. Consult your advisor to develop an appropriate plan of study. Note: The following courses, offered by the Linguistics Department, may also be used toward the total 34 credits of the English major, although they might not satisfy any guidelines: LNGN 220 *Structure of American English*; LNGN 284 *History of the English Language*; LNGN 384 *The Grammars of English*.

Creative Writing Concentration

Required Courses

	Semester Hours
ENWR 200 Creative Writing: Fiction, Poetry, Drama	3
Any three of the following:	
ENWR 205 Creative Nonfiction	3
ENWR 310 Writing: Drama	3
ENWR 311 Writing: Fiction	3
ENWR 312 Writing: Poetry	3
ENWR 411 Advanced Writing: Fiction	3
ENWR 412 Advanced Writing: Poetry	3
ENWR 491 Seminar in Writing	3

English Minor

Required Course

	Semester Hours
ENGL 200 Pursuits of English	4

Electives (15 semester hours)

Fifteen credits of 200-level or above English electives chosen in consultation with a faculty advisor in the English department.

Journalism Minor

Required Courses

	Semester Hours
ENWR 210 News Reporting	3
ENWR 216 History of Journalism in America	3
ENWR 313 Editing	3

Electives (Three of the following)

ENWR 214 Feature Writing	3
ENWR 300 Meet the Press	3
ENWR 314 Advanced Editing	3
ENWR 315 Magazine Journalism	3
ENWR 316 Reporting of Public Affairs	3
ENWR 416 Interpretive Journalism	3

Special Programs

English Cooperative Education

The English Cooperative Education program places students with strong writing and analytical skills in supervised employment outside the classroom. During the co-op semester the student is advised by a faculty coordinator and the Cooperative Education office and completes the terms of a learning contract.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Prerequisites for admission to the teacher preparation program in English and current requirements in the discipline for both a first and a second teaching field certificate can be obtained in the English Department.

Courses of Instruction

ENFL 208	
INTRODUCTION TO THE FILM	3.0
The history and aesthetics of film from its beginning to the present, with special attention to the evolution of technique, influential art movements and national cinemas, pivotal directors and films. Meets the 2002 Gen Ed-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Fine and Performing Arts: Art Appreciation.	
ENFL 250	
MAJOR FILM DIRECTORS	3.0
Focusing on the life and work of influential filmmakers, the course addresses such issues as auteur criticism, the nature of successful collaborations (scriptwriting teams, director/cinematographer) and performance theory.	
ENFL 255	
WORLD FILM	3.0
Films from the major film producing countries including the United States, France, Germany, Italy, Sweden, Russia, England, India and Japan. Within that framework, special topics will be defined: A specific period, a particular theme or problem, comparison/contrast of several national cinemas.	
ENFL 260	
MAJOR FILM GENRES	3.0
Examples from the major film genres, such as the Western, the crime film, the musical, the horror film, and film noir, with special emphasis on American film and principles of genre criticism.	
ENFL 310	
SCREENWRITING I	3.0
The art and craft of writing for the screen will be both studied and practiced. After studying the fundamentals of effective cinematic story construction and dialogue writing, students will be required to write a half hour film script. <i>Prerequisites: ENFL 208 and ARFM 200.</i>	
ENFL 350	
THREE DIRECTORS	3.0
A comparative study of three major film directors. The focus - using an auteurist derived methodology - will be to investigate a common problem or challenge confronted by each of the three directors.	
ENFL 356	
THE CONTEMPORARY FILM	3.0
Beginning with American film noir and European films which emerged after World War II, the course traces the major films, directors, critical theories and other influences which make up the contemporary film and define a specifically modernist sensibility.	
ENFL 357	
AMERICAN FILM TO 1945	3.0
An investigation of the foundations and development of the classical Hollywood style focusing on genres and directors of significance.	
ENFL 358	
AMERICAN FILM 1945 TO THE PRESENT	3.0
An investigation of filmmaking in the United States following World War II, focusing on the genres, directors and aesthetic movements of significance.	
ENFL 360	
FILM COMEDY	3.0
Film comedies from all periods in relation to comic theory and its application with particular emphasis on American films of the 20's and 30's.	
ENFL 490	
SPECIAL TOPICS IN FILM STUDIES	3.0
A non-survey course to address specific issues in film studies. The course may be taken more than once if different topics are taken. <i>Prerequisite: Departmental approval.</i>	
ENFL 496	
SEMINAR IN FILM	3.0
An advanced course devoted to the intensive study of a specialized topic in cinema studies. Topics will vary. <i>Prerequisite: Departmental approval.</i>	

ENGL 200	
THE PURSUITS OF ENGLISH	4.0
An inquiry into what constitutes contemporary literary study: its subject matter and its underlying goals and methods. Students study literary and cinematic texts of various genres, as well as literary criticism and theory; inquire into the nature of authorship and of texts; examine and expand their ways of reading, interpreting, and writing about texts; trace the relation of literary criticism to theory; consider the relation of literary study to issues of power; and develop independent habits of thought, research, discussion, and analytic writing that are informed by literary theory and criticism. It is recommended that <u>The Pursuits of English</u> be taken before the student accumulates 12 English major credits. Meets the University Writing Requirement FOR ENCW, ENED, ENGL majors. <i>Prerequisite: ENWR 106 or HONP 101; English majors only.</i>	
ENGL 226	
LITERATURE OF THE AMERICAN RENAISSANCE	3.0
<i>Moby Dick</i> and <i>The Scarlet Letter</i> among other major works by masters of the American Romantic period - Emerson, Thoreau, Hawthorne, Melville, Whitman and Poe are examined. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 234	
AMERICAN DRAMA	3.0
American drama chosen for excellence or representative of a significant era or movement in the theatre from the early 18th century imitative works through melodrama to the serious works of the 20th century. Centered on major American playwrights and their work. The course also examines the backgrounds of our modern stage, including readings in minor/historical works. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 238	
BLACK WRITERS IN THE UNITED STATES: A SURVEY	3.0
Black writers in the United States from colonial times to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 239	
SOCIAL PROTEST LITERATURE IN AMERICA	3.0
Novels, dramas and poetry of protest against social injustices in the United States since World War I. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 240	
ENGLISH LITERATURE I: BEGINNINGS TO 1660	3.0
English literature from its beginnings to 1660 examined through representative works of major and minor authors. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 241	
ENGLISH LITERATURE II: 1660 TO PRESENT	3.0
English literature from the Restoration to the present. May be taken independently of English Literature I. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 247	
THE AUGUSTAN AGE	3.0
Important works of English literature 1660-1745, including poetry, criticism, essays, fiction and drama, examined within the literary, cultural, social and intellectual contexts of the age. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 250	
SPECIAL TOPICS IN ENGLISH OR AMERICAN LITERATURE	3.0
A survey or genre course on a topic not included in the regular departmental offerings. May be used by English majors as a departmental elective. <i>Prerequisite: ENWR 106 or HONP 101.</i>	
ENGL 254	
ENGLISH DRAMA: BEGINNINGS TO 1642	3.0
English drama from its Medieval origins to the closing of the theaters in 1642: from miracles, mysteries and moralities through the development of Tudor and Stuart drama. Shakespeare excluded. <i>Prerequisite: ENWR 106 or HONP 101.</i>	

- ENGL 256
ENGLISH NOVEL TO 1900 3.0
Form and theme of the English novel through the 18th and 19th centuries, evaluated by literary, social, moral and cultural criteria.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 260
ART OF POETRY 3.0
An introductory course in reading, interpreting, and evaluating poetry. Attention is paid to style, form, and poetic convention.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 262
ART OF FICTION 3.0
An introduction to form and techniques in fiction through close reading and discussion of representative texts.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 263
ART OF DRAMA 3.0
An introduction to dramatic literature and the ways in which man expresses himself and his community through drama as a blend of word and gesture.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 271
TEACHING WRITING IN GRADES 6-12 3.0
This course offers students an introduction to the theory and practice of teaching writing to middle and high school students. Students will be introduced to process writing through an intensive-writing workshop in class, participation in a tutoring program in the Montclair public schools, and reading in composition scholarship. Participation in tutoring (2 hours a week) is required.
Prerequisite: ENWR 106.
- ENGL 275
VIETNAM WAR AND AMERICAN CULTURE 3.0
This course examines the problem of the legacy of the experience of the Vietnam War (sometimes called the "Vietnam Syndrome") as it is reflected in the culture of the United States and primarily in American literature since the end of the war in 1975. Differing discussions and evaluations of the problems bequeathed by the Vietnam war will be examined in works of political commentary, cultural criticism, history, and foreign affairs, as well as in literature. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 294
WOMEN POETS 3.0
Selected poets from Sappho through Emily Dickinson to Sylvia Plath examined in relation to contemporary women poets. Meets the Multicultural Awareness Requirement.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 301
THE NOVELS OF TONI MORRISON 3.0
This course focuses on the fiction of Toni Morrison. Readings will include her published novels (from 1970 to the present), as well as selections from her critical writings. Such matters as the nature of her prose style, developments of her literary reputation, and place within the literary canon will be studied.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 324
AMERICAN POETRY TO 1940 3.0
American poetry from Poe to Langston Hughes with an emphasis on what makes the American voice unique.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 325
AMERICAN POETRY: WORLD WAR II TO PRESENT 3.0
American poetry beginning with William Carlo Williams and continuing to the present with an emphasis on new attitudes, techniques and contributions to American culture.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 326
EARLY AMERICAN LITERATURE 3.0
American literature from the Puritans to 1800, tracing the development of colonial and revolutionary thought and the beginning of America's cultural independence.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 336
AMERICAN LITERARY REALISM 3.0
The works of James, Howells, Twain, Crane, Norris, Dreiser and others are examined in light of the developing literary concepts of realism, naturalism and social Darwinism in the changing cultural period between 1860 and 1900.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 337
MODERN AMERICAN FICTION 3.0
American fiction from 1918 to 1945 with attention to the works, criticism and lives of such authors as Hemingway, Faulkner and Fitzgerald.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 338
CONTEMPORARY AMERICAN FICTION 3.0
Developments in American fiction since the 1940's with attention to such authors as Mailer, Roth, Nabokov and Vonnegut.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 343
MILTON 3.0
An introduction to the mind and art of Milton. Intensive study of one major work and selections representative of the full range of his achievement.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 344
CHAUCE 3.0
Troilus and Criseyde, The Canterbury Tales and some of the minor poems in Middle English. No previous language training required.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 345
MIDDLE ENGLISH LITERATURE 3.0
The literature of England from 1100 to 1400 in its historical and social contexts and in relation to continental literature. Where appropriate, works are read in Middle English.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 346
19TH CENTURY ENGLISH ROMANTIC LITERATURE 3.0
The revolutionary expression of such poets and essayists as Wordsworth, Coleridge, Shelley, Byron, Keats, Hazlitt, De Quincey and Lamb.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 347
VICTORIAN PROSE AND POETRY 3.0
Mid and late 19th century responses to the emergence of modern British society demonstrated in the works of Carlyle, Mill, Ruskin, Huxley, Newman, Arnold, Morris, Tennyson and Browning.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 348
RENAISSANCE LITERATURE 3.0
Major poets and prose writers of 16th and early 17th century England such as Sydney, Lyly, Nashe, Greene, Donne and Browne, whose individual contributions in poetry and prose reflect the literary and philosophical preoccupations of the period.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 353
SHAKESPEARE: COMEDIES-HISTORIES 3.0
Representative comedies and histories: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare's vision of man as actor.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 354
SHAKESPEARE: TRAGEDIES-ROMANCES 3.0
Representative tragedies and romances: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare's view of man in the tragic mode and in the later romances.
Prerequisite: ENWR 106 or HONP 101.

- ENGL 370
ENGLISH INDEPENDENT STUDY I 2.0-3.0
A scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest.
Prerequisite: ENWR 106 or HONP 101; Departmental approval.
- ENGL 371
ENGLISH INDEPENDENT STUDY II 2.0-3.0
A second scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest or a study begun in ENGL 370 that continues for a second term.
Prerequisite: ENWR 106 or HONP 101; Departmental approval.
- ENGL 446
IRISH RENAISSANCE PERIOD LITERATURE 3.0
Irish romanticism, naturalism, symbolism and realism in the works of Joyce, Shaw, Yeats and others from the late 1890's to the 1930's.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 456
20TH CENTURY ENGLISH NOVEL 3.0
The literary and cultural context and the stylistic and structural changes in representative British novels of the 20th century.
Prerequisite: ENWR 106 or HONP 101.
- ENGL 471
TEACHING ENGLISH (SECONDARY) 4.0
Communicating both the discipline and the human dimensions of English as a subject in the classroom, including familiarization with adolescent literature and the uses of computers in the English classroom. A course in the professional sequence not credited to the English major requirements.
Prerequisites: Departmental approval; concurrent or completed intermediate field experience (CURR 410) and permission of the English teacher education coordinator.
- ENGL 493
SEMINAR IN AMERICAN LITERATURE 3.0
The works of one major American author in depth or of a group of authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.
- ENGL 494
SEMINAR IN ENGLISH LITERATURE 3.0
The works of one major English author in depth or of a group of English authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.
- ENGM 384
THE GRAMMARS OF ENGLISH 3.0
A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as a means of more effective writing and literary analysis. Cross listed with Linguistics, LNGN 384.
Prerequisite: ENWR 106 or HONP 101.
- ENID 398
AUTOBIOGRAPHY 3.0
Autobiographical readings, especially in letters, diaries, and journals, from ancient times to the present. Emphasis on the aesthetics of autobiography, autobiography as the mirror of an age, and autobiography as a model of the examined life.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 206
WORLD LITERATURE: THE COMING OF AGE THEME 3.0
This course combines Western with non-Western works to approximate an approach to a "global perspective" on literature. It is designed to introduce the student to major works of world literature; to foster an international literary sensibility; to present a variety of cultural perspectives in a context which demonstrates how they are interrelated; to present students with assignments that will direct them toward developing skills of literary analysis and interpretation; and to guide students in deepening their awareness of the connections between national literatures and their cultural contexts. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 207
WORLD LITERATURE: VOICES OF TRADITION AND CHALLENGE 3.0
Organized around the premise that writers have two fundamental ways of responding to the challenge of their culture, conformity or dissent, this course will present literary works in pairs that represent opposing ways of responding to the same subject. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 230
IMAGES OF MUSLIM WOMEN IN TWENTIETH CENTURY LITERATURE AND CULTURE 3.0
Through an exploration of writings by and about Muslim women in various parts of the world, students will be encouraged to develop an appreciation of the variety of aesthetic forms and narrative structures embodied therein. Representations in other cultural forms such as film will also be looked at to challenge monolithic assumptions.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 250
SPECIAL TOPICS IN COMPARATIVE LITERATURE 3.0
A survey or genre course on a topic not included in the regular departmental offerings. Satisfies the departmental major requirement in comparative literature.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 260
MYTH AND LITERATURE 3.0
Myth and the myth-making process: the origins, meanings and major archetypes and motifs of Occidental and Oriental myths.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 274
TWENTIETH CENTURY LITERATURE OF IMMIGRATION 3.0
The Literature of Immigration examines the experience of immigrants to the United States through the fiction, poetry and drama of writers of varying cultural backgrounds to learn about the customs, religions, mores and assimilative strategies of old and new immigrant groups. Literary strategies used by the writers will be emphasized. Meets the Multicultural Awareness Requirement.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 315
AMERICAN-INDIAN THEMES 3.0
American-Indian Themes will be organized around the following topics: attitudes toward the land and the animals; relationship to the divine and its manifestations, gods and goddesses; culture, specifically understood as arts and rituals; gender identities and family structures; political realities of a conquered people; contemporary status of American-Indians and their lives.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 316
AFRICAN, ASIAN AND CARIBBEAN LITERATURE IN ENGLISH 3.0
African, Asian, and Caribbean Literature in English will include four genres: prose, poetry, drama, and performance pieces. Significant connections will be drawn among the varieties of English and the thematic and critical issues being raised by experts who are studying these literatures.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 349
CONTEMPORARY IRISH LITERATURE 3.0
A study of contemporary Irish writers reflecting cultural, social, political, economic and class changes since the Irish Revival period. Writers include Seamus Heaney, Roddy Doyle, Eavan Boland, and Brian Friel.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 367
CONTEMPORARY AFRICAN LITERATURE 3.0
A comparative study of the literatures of African writers from countries with a history of British colonialism dating from the 1960's to the present. Topics will include: forms of storytelling and narrative representation; contemporary issues and themes in post-colonial texts; political and aesthetic frameworks; and dissemination of African literatures in a global market. ENLT 206 or 207 recommended. Meets the Multicultural Awareness Requirement.
Prerequisite: ENWR 106 or HONP 101.

- ENLT 372
WOMEN PROSE WRITERS 3.0
Readings in the international fiction and non-fiction of women writers. The focus will be on such themes as the nature of the family, changing relationships between women and men, evolving concepts of the "feminine," the impact of colonialism on gender related issues (i.e., work and women's identity) and interrelationships between religion and women's lives.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 373
LITERARY MODERNISM 3.0
The intellectual concepts of Futurism, Dada, Surrealism and Expressionism in the early 20th century, which continue to influence literature and art.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 375
MODERN DRAMA: IBSEN TO O'NEILL 3.0
Major modern plays and the playwrights whose critical insights and historical perspectives led to their unique contributions.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 376
MODERN EUROPEAN NOVEL 3.0
The creative expression of such novelists as Gide, Hesse, Kafka, Proust and Woolf as shaped by events of the period 1910 to 1930, and how these works influenced the future of the novel.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 378
SCIENCE FICTION 3.0
Fiction of the future that speculates and extrapolates from the physical and social sciences, selected from both the classics and contemporary writings.
Prerequisite: ENWR 106 or HONP 101.
- ENLT 492
SEMINAR IN COMPARATIVE LITERATURE 3.0
A culture, era, theme or literary approach studied through international literary masterpieces. Enrollment limited.
Prerequisite: ENWR 106 or HONP 101; junior or senior English major.
- ENWR 100
INTRODUCTION TO WRITING 3.0
A writing-intensive workshop that stresses the development of thinking and writing abilities through frequent writing assignments. Emphasis is on the writing process—prewriting, drafting, revising, using peer and teacher critique, editing and proofreading. Evaluation is partly based on a portfolio of revised writing. While this course may be taken as an elective, it is required for those students whose score on the MSU placement test indicates the need for intensive writing instruction before taking ENWR 105. This course does not satisfy a General Education Requirement. Meets Basic Skills Requirement.
- ENWR 105
COLLEGE WRITING I: INTELLECTUAL PROSE 3.0
Expository writing. A workshop course to develop thinking and writing abilities through frequent writing assignments based on critical response to intellectually challenging questions. Emphasis is on the writing process—prewriting, drafting, revising, using peer and teacher critique, editing, and proofreading. A minimum of five essays is required, including an extensive documented essay that requires research. Evaluation is partly based on a portfolio of revised writing. With ENWR 106, meets Gen Ed 2002—Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)—Communication, Writing.
Prerequisite: Passing score on the MSU Basic Skills Test, or successful completion of ENWR 100.
- ENWR 106
COLLEGE WRITING II: WRITING AND LITERARY STUDY 3.0
The second semester of the intensive first-year writing sequence. Emphasis on the writing process continues as students study works of fiction, poetry, and drama in order to improve their writing and their understanding and appreciation of complex literary texts. Required: approximately 6000 words of formal writing, including at least one documented essay. With ENWR 105, meets Gen Ed 2002—Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)—Communications, Reading.
Prerequisite: ENWR 105 or HONP 100.
- ENWR 200
CREATIVE WRITING: FICTION, POETRY, DRAMA 3.0
Writing as a creative process with explorations in poetry, drama, fiction and autobiography.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 204
ADVANCED EXPOSITORY WRITING 3.0
A course designed to help general students improve their expository writing beyond the level of skill developed in the freshman composition course. Particular emphasis will be placed on argument and persuasion.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 205
CREATIVE NONFICTION 3.0
Advanced writing skills with stress on developing a personal writing style, adapting writing style to various subjects and audiences and experimenting with different modes of exposition.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 206
BUSINESS WRITING 3.0
Writing skills essential to the world of work with emphasis on correspondence, analytical reports and proposals.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 210
NEWS REPORTING 3.0
Writing news articles according to contemporary practices. Interviewing techniques are explored as well as a respect for facts, impartiality, and fairness.
Prerequisite: ENWR 105 or HONP 100.
- ENWR 214
FEATURE WRITING 3.0
All aspects of writing personality profiles and of writing critical reviews, columns and/or sports features.
Prerequisite: ENWR 210.
- ENWR 216
HISTORY OF JOURNALISM IN AMERICA 3.0
Evolution of the American press is examined through research and discussion of significant periods, individuals and issues from 1600 to the present.
- ENWR 250
SPECIAL TOPICS IN WRITING 3.0
A course in writing not included in the regular departmental offerings. May be used by English majors as a departmental elective.
Prerequisite: ENWR 106 or HONP 101.
- ENWR 301
COOPERATIVE EDUCATION (ENGLISH) 4.0-8.0
A supervised employment experience, outside the classroom, but related to academic study in English. Not included in major requirements.
Prerequisite: Departmental approval.
- ENWR 311
WRITING: FICTION 3.0
Fundamentals and techniques of writing prose fiction (stories and/or novels), with evaluations in class and extensive individual conferences.
Prerequisite: ENWR 200; Departmental approval.
- ENWR 312
WRITING: POETRY 3.0
Techniques and fundamentals of writing poetry through writing, reading, and class and professorial evaluations.
Prerequisites: ENWR 200; Departmental approval.
- ENWR 313
EDITING 3.0
Copy editing, proofreading and basic editorial skills. Articles are analyzed for accuracy, libel, precise diction and tightening.
Prerequisites: ENWR 210.
- ENWR 315
MAGAZINE JOURNALISM 3.0
Researching, writing and placing feature stories in mass circulation magazines.

-
- ENWR 411
ADVANCED WRITING: FICTION 3.0
Writing of prose with intensive class analyses and individual conferences.
Prerequisite: Departmental approval.
- ENWR 412
ADVANCED WRITING: POETRY 3.0
Writing of poetry with intensive class analyses and individual conferences.
Prerequisite: Departmental approval.
- ENWR 416
INTERPRETIVE JOURNALISM 3.0
Studying and writing columns, editorials and news articles. Students will compare different styles of interpretive reporting and develop their own skills in this area.
Prerequisite: ENWR 210.
- ENWR 491
SEMINAR IN WRITING 3.0
Creative writing, expository writing or theories of the teaching of composition for the advanced student. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.

FRENCH, GERMAN, AND RUSSIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Lois Oppenheim

The French program provides courses that develop linguistic skills, literary appreciation, and an understanding of the French people and their culture.

French majors may choose the Translation concentration to enhance their linguistic skills or to enter careers related to international organizations. They may also take related business courses.

They may specialize in French Civilization, a liberal arts concentration, which is a sound foundation for graduate studies. Students may also specialize in Teacher Education and prepare for careers as teachers. Students may also select a minor or a second teaching field in French.

The Russian program offers a liberal arts minor and a second teaching field, as well as required courses for the Russian Area Studies minor. Interested students may contact Dr. Ludmila Lavine for more information.

The German program features a liberal arts minor and provides courses that develop linguistic skills, literary appreciation, and an understanding of German-speaking people and their culture. Students interested in courses in German may contact Dr. Bettina Brandt.

Study Abroad

It is highly recommended that majors spend a year, a semester, or a summer studying in a French, German, or Russian-speaking country. This study should preferably be planned for the junior year. After successful completion of study abroad, credits will be granted by evaluation. Students may earn up to 30 semester hours for a full year of study.

French Major

Concentration Programs Within the Major

Translation

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 452 Translation III	3
OR	
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3

Electives (Major)

Select 12 semester hours from the following list of electives, of which 3 s.h. must be in literature

FREN 202 Seventeenth Century French Theater*	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 271 Explication de Texte*	3
FREN 275 Advanced Spoken Language Practice	3
FREN 286 French Film	3
FREN 289 Francophone Film	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3

FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 349 Francophone Literature*	3
FREN 352 Twentieth Century French Literature*	3
FREN 360 French Perspectives	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-9
FREN 410 Advanced French Grammar	3
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Total Semester Hours42

French Civilization

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 286 French Film	3
OR	
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 352 20th Century French Literature	3
OR	
FREN 349 Francophone Literature	3
FREN 350 Translation I	3
FREN 360 French Perspectives	3

Electives (Major)

Select 9 semester hours from the following list of electives, of which 3 semester hours must be in literature

FREN 202 Seventeenth Century French Theater*	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 271 Explication de Texte*	3
FREN 275 Advanced Spoken Language Practice	3
FREN 289 Francophone Film	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 351 Translation II	3
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-9
FREN 410 Advanced French Grammar	3
FREN 452 Translation III	3
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Total Semester Hours42

French Major

Teacher Education

Required Courses

	Semester Hours
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3
FREN 205 French Phonetics	3
FREN 270 Advanced Composition	3
FREN 271 Explication de Texte	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 352 20th Century French Literature (Prerequisite: FREN 271)	3
FREN 360 French Perspectives	3
FREN 410 Advanced French Grammar	3

Electives (Literature, 6 s.h.)

Select two courses from literature offerings of the Department in consultation with Chairperson.

Electives (Major)

Select at least 6 semester hours from the following list:

FREN 202 Seventeenth Century French Theater*	3
FREN 206 Spoken Language Practice	3
FREN 211 Eighteenth Century French Theater*	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 275 Advanced Spoken Language Practice	3
FREN 286 French Film	3
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism*	3
FREN 330 Survey of Medieval Literature*	3
FREN 334 Seventeenth Century French Literature*	3
FREN 335 French Renaissance*	3
FREN 336 Eighteenth Century French Literature*	3
FREN 339 Nineteenth Century French Literature*	3
FREN 340 Survey of French Poetry*	3
FREN 341 Contemporary French Drama*	3
FREN 345 Development of the French Novel to 1900*	3
FREN 349 Francophone Literature*	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 375 French Study Abroad	3-9
FREN 470 Seminars	3
FREN 478 Independent Study	1-3

*Courses followed by an asterisk are literature courses.

Minimum Semester Hours39

French Minor

Required Courses (Liberal Arts Emphasis)

FREN 121 Intermediate French I	3
FREN 132 Intermediate French II	3
FREN 203 French Stylistics and Composition I	3
FREN 204 French Stylistics and Composition II	3

Electives (Departmental)

6 additional semester hours in French literature and language courses chosen from the following list provided by the Department of French, German, and Russian and in consultation with the faculty advisors from the department.

FREN 202 Seventeenth Century French Theater	3
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 211 Eighteenth Century French Theater	3
FREN 231 Business French and Computers I	3
FREN 232 Business French and Computers II	3
FREN 251 Advanced Syntax	3
FREN 270 Advanced Composition	3

FREN 271 Explication de Texte	3
FREN 275 Advanced Spoken Language Practice	3
FREN 289 Francophone Film	3
FREN 302 Origins of French Civilization	3
FREN 304 French Civilization: 19th and 20th Centuries	3
FREN 305 Music and Art in French Civilization	3
FREN 315 Dada And Surrealism	3
FREN 330 Survey of Medieval Literature	3
FREN 334 Seventeenth Century French Literature	3
FREN 335 French Renaissance	3
FREN 336 Eighteenth Century French Literature	3
FREN 339 Nineteenth Century French Literature	3
FREN 340 Survey of French Poetry	3
FREN 341 Contemporary French Drama	3
FREN 345 Development of the French Novel to 1900	3
FREN 349 Francophone Literature	3
FREN 350 Translation I	3
FREN 351 Translation II	3
FREN 352 Twentieth Century French Literature	3
FREN 360 French Perspectives	3
FREN 365 Introduction to Consecutive and Simultaneous Interpreting ...	3
FREN 367 Seminars	3
FREN 368 Seminars	3
FREN 369 Seminars	3
FREN 410 Advanced French Grammar	3
FREN 419 The Teaching of French in Secondary Schools	3
FREN 452 Translation III	3
FREN 470 Seminars	3

Minimum Semester Hours18

Required Courses (Business Emphasis)

	Semester Hours
FREN 121 Intermediate French I	3 each
FREN 132 Intermediate French II	3 each
FREN 203 French Stylistics and Composition I	3 each
FREN 204 French Stylistics and Composition II	3 each
FREN 231 Business French and Computers I	3

6 additional semester hours in French literature and language courses chosen from the above list of Departmental Electives for the French Minor and in consultation with the faculty advisors from the department.

Minimum Semester Hours21

Note: Students who place out of FREN 121, 132, 203, or 204 by either the placement exam or a challenge exam may substitute other courses from the list provided by the department to take the place of these courses.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, French majors must have a "B" average in French, take the Teacher Education courses under the French Major Requirements, and FREN 419 The Teaching of French in Secondary Schools.

Second Teaching Field in French

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required Courses

FREN 203, 204 French Stylistics and Composition I, II	3 each
FREN 205 French Phonetics	3
FREN 206 Spoken Language Practice	3
FREN 270 Advanced Composition	3
FREN 271 Explication de Texte	3
FREN 410 Advanced French Grammar	3

Electives

From the appropriate list, select 9 semester hours of which 3 s.h. must be in literature and 3 s.h. in civilization

Total30

NOTE: If a student has not taken a teaching methods course in a foreign language, it is necessary to take FREN 419 The Teaching of French in Secondary Schools.

German Minor

Required Courses*

	Semester Hours
GERM 121 Intermediate German I	3
GERM 132 Intermediate German II	3
GERM 151 Advanced German I	3

Electives (Major)

Select 9 semester hours from the following:

GERM 141 Review of Fundamental Grammar	3.0
GERM 142 Practice in Written German	3
GERM 152 Advanced German II	3
GERM 209 Phonetics and Phonology	3
GERM 251 Introduction to German Literature I	3
GERM 252 Introduction to German Literature II	3
GERM 309 Practice in Spoken German	3
GERM 310 Advanced Composition	3
GERM 315 Translation I	3
GERM 316 Translation II	3
GERM 317 Translation III	3
GERM 318 Translation IV	3
GERM 320 Development of the German Language	3
GERM 341 German Literature from the Origins to the Reformation Period	3
GERM 342 German Literature from the 16th to the 18th Century	3
GERM 351 German Civilization I	3
GERM 352 German Civilization II	3
GERM 360 Modern German Fiction	3
GERM 362 Development of German Poetry	3
GERM 364 German Drama of the 19th and 20th Centuries	3
GERM 375 Study Abroad	by evaluation
GERM 380 Independent Study in German	3
GERM 381 Independent Study in German	3
GERM 400 Selected Topics in German Literature and Culture	3
GERM 410 German Grammar Applied Linguistics	3
GERM 441 The Age of Goethe	3
GERM 442 The Age of Schiller	3
GERM 460 Senior Seminar	3
GERM 480 Independent Study in German	3
GERM 481 Independent Study in German	3
GRIN 250 Selected Topics in German Literature and Culture	3
GRIN 292 German Literature: 1890 to present	3

*Note: Students who place out of GERM 121, 132, or 151 by either the placement exam or a challenge exam must substitute other courses from the list provided by the department to take the place of these courses.

Russian Minor

Required Courses

	Semester Hours
RUSS 101, 112 Beginning Russian I, II	6
RUSS 121, 132 Intermediate Russian I, II	6
RUSS 141, 152 Advanced Russian I, II	6
Under certain circumstances and with departmental approval, the following may be substituted for one or more of the required courses listed:	
GRIN 293 Russian Culture and Civilization	3
GRIN 294 Russian Prose and Drama	3
GRIN 297 Women in Russian Literature	3
HIST 323 History of Russia to 1917	3
HIST 324 Russia since 1917	3
LNGN 245 Language and Culture	3
LNGN 370 Comparative and Historical Linguistics	3
RUSS 478 Independent Study in Russian	3

Russian Area Studies Minor

Required Courses

	Semester Hours
Select 6 semester hours from the following:	
RUSS 101, 112 Beginning Russian I, II	6
RUSS 121, 132 Intermediate Russian I, II	6
RUSS 141, 152 Advanced Russian I, II	6

Electives (Interdepartmental)

Select 6 semester hours from the following:

ECON 403 Comparative Economic Systems	3
HIST 323 History of Russia to 1917	3
HIST 324 Russia since 1917	3
PHIL 235 Marx and Marxism	3
POLS 407 Government and Politics of USSR	3
POLS 412 Government and Politics of the East European States	3
HIST 522 Revolutionary Russia, 1905-1921 (graduate course)*	3
HIST 523 History of Soviet Diplomacy (graduate course)*	3

*University regulations must be met for an undergraduate to register for graduate-level courses.

Electives (Departmental)

Select 6 semester hours from any courses listed above or from the following:

GRIN 293 Russian Culture and Civilization	3
GRIN 294 Russian Prose and Drama	3
GRIN 297 Women in Russian Literature	3
RUSS 478 Independent Study in Russian	3

Second Teaching Field in Russian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required courses

	Semester Hours
RUSS 101, 112 Beginning Russian I, II	6
RUSS 121, 132 Intermediate Russian I, II	6
RUSS 141, 152 Advanced Russian I, II	6

Electives

With advisement from the department, select at least 12 semester hours from the appropriate lists to be obtained from the department.

Courses of Instruction

ARAB 101 BEGINNING ARABIC I	3.0
A basic introduction to the Arabic language with emphasis on speaking, reading, writing and listening through classroom drill and communicative activities. Cross listed with Linguistics ARBC 101. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.	
ARAB 112 BEGINNING ARABIC II	3.0
For students who have completed Beginning Arabic I. Continuation of basic skills, intensive vocabulary practice through reading texts on culture and life of the Arabic-speaking world. Cross listed with linguistics ARBC 112. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.	
ARAB 121 INTERMEDIATE ARABIC I	3.0
This course is designed for students who have completed Beginning Arabic I and II at Montclair State University or students who have been placed at this level. The course builds on the listening skills developed in Beginning Arabic but focuses on reading and writing using representative literature studies of Arab culture. Laboratory work available. Cross listed with Linguistics ARBC 121.	

- ARAB 132**
INTERMEDIATE ARABIC II 3.0
 For students who have completed Intermediate Arabic I at Montclair State University or students who have been placed at this level. Advanced development of listening comprehension, speaking, reading and writing through the study of authentic texts, representative works and characteristic aspects of Arab life and culture. Laboratory work is available. Cross listed with Linguistics, ARBC 132.
- FREN 101**
BEGINNING FRENCH I 3.0
 For students starting French in college, or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading and writing through classroom drill, video cassettes and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- FREN 112**
BEGINNING FRENCH II 3.0
 For students having completed Beginning French I or who have been placed at this level after taking the placement test. Continuation of basic skills through classroom drill, video-cassettes and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- FREN 121**
INTERMEDIATE FRENCH I 3.0
 Developing of listening, reading and speaking ability through study of representative works and characteristic aspects of French life and culture. Laboratory work available. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- FREN 132**
INTERMEDIATE FRENCH II 3.0
 Developing of listening, reading, and speaking ability through study of representative works and characteristic aspects of French life and culture. Laboratory work available. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- FREN 145**
INTRODUCTION TO FRENCH CULTURE 3.0
 Various aspects of contemporary France such as politics, education, social and artistic movements. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: FREN 121.
- FREN 203**
FRENCH STYLISTICS AND COMPOSITION I 3.0
 Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.
Prerequisite: FREN 132.
- FREN 204**
FRENCH STYLISTICS AND COMPOSITION II 3.0
 Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.
Prerequisite: FREN 203.
- FREN 205**
FRENCH PHONETICS 3.0
 Weekly transcriptions, problems of articulation, rhythm, accentuation and intonation; intensive language laboratory work. Taught in French.
Prerequisite: Special fee.
- FREN 206**
SPOKEN LANGUAGE PRACTICE 3.0
 Intensive conversation with organized discussions on subjects of special interest. Taught in French.
- FREN 231**
BUSINESS FRENCH AND COMPUTERS I 3.0
 The first half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary, and computer lexicon required in today's business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.
Prerequisite: FREN 204. Special fee.
- FREN 232**
BUSINESS FRENCH AND COMPUTERS II 3.0
 The second half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary and computer lexicon required in today's business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.
Prerequisite: FREN 231. Special fee.
- FREN 270**
ADVANCED COMPOSITION 3.0
 A review of advanced grammar through intensive written and oral practice. Taught in French.
- FREN 271**
EXPLICATION DE TEXTE 3.0
 Improvement of reading skills and literary perception through the technique of the explication de texte, using examples from a wide variety of periods and genres. Taught in French.
Prerequisite: FREN 204.
- FREN 275**
ADVANCED SPOKEN LANGUAGE PRACTICE 3.0
 Intensive conversation on an advanced level on selected and varied topics. Taught in French.
- FREN 286**
FRENCH FILM 3.0
 Development of film art with special emphasis on the contemporary period. Course taught in English. Work done in French by those taking it for French major credit and in English by those taking it as a general elective. Cross listed with French, German, and Russian, FRIN 286 and Classics and General Humanities, GNHU 286.
- FREN 289**
FRANCOPHONE FILM 3.0
 This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Cross listed with French, German, and Russian, FRIN 289, and Classics and General Humanities, GNHU 289. Course taught in English. Work done in French by those taking it for French major credit and in English by those taking it as a general elective. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
Prerequisite: FREN 204.
- FREN 302**
ORIGINS OF FRENCH CIVILIZATION 3.0
 French history and cultural development from the Middle Ages to the Revolution. Taught in French.
- FREN 304**
FRENCH CIVILIZATION 19TH AND 20TH CENTURIES 3.0
 Various aspects of the material, intellectual, artistic, and spiritual life of France. Taught in French.
- FREN 305**
MUSIC AND ART IN FRENCH CIVILIZATION 3.0
 Composers from the Middle Ages (Perotin) to modern times (Boulez); their social and cultural backgrounds. Taught in French.
- FREN 334**
SEVENTEENTH CENTURY FRENCH LITERATURE 3.0
 The most representative authors of the century. Taught in French.

FREN 336		
EIGHTEENTH CENTURY FRENCH LITERATURE	3.0	
Main writings of the Age of Enlightenment. Taught in French.		
FREN 339		
NINETEENTH CENTURY FRENCH LITERATURE	3.0	
Principal literary currents from Romanticism to symbolism. Taught in French.		
FREN 340		
SURVEY OF FRENCH POETRY	3.0	
Development of principal poetic movements with emphasis on the 19th and 20th centuries. Taught in French.		
FREN 341		
CONTEMPORARY FRENCH DRAMA	3.0	
Theatre from the beginning of the century to the present. Taught in French.		
FREN 345		
DEVELOPMENT OF FRENCH NOVEL TO 1900	3.0	
Evolution of fiction from the feminist writings of Mme. De La Fayette and Diderot. Literature of social involvement to the present. Taught in French.		
FREN 349		
FRANCOPHONE LITERATURE	3.0	
Literature of French Expression outside continental France. Taught in French.		
FREN 350		
TRANSLATION I	3.0	
Techniques of translation English-French, French-English. Vocabulary, comparative sentence structure, analysis and expression of ideas and images. Meets the University Writing Requirement for FRCV, FRTR majors.		
<i>Prerequisite: FREN 204 or departmental approval. Special fee.</i>		
FREN 351		
TRANSLATION II	3.0	
Techniques of translation English-French, French-English. Vocabulary, comparative sentence structure, analysis and expression of ideas and images. V Meets the University Writing Requirement for FRCV, FRTR majors.		
<i>Prerequisite: FREN 350. Special fee.</i>		
FREN 352		
TWENTIETH CENTURY FRENCH LITERATURE	3.0	
Representative works of contemporary theater and the novel. Taught in French.		
FREN 360		
FRENCH PERSPECTIVES	3.0	
The history of ideas in France since World War II. Emphasizes the interrelationship of political, social, and philosophical thinking. Taught in French.		
FREN 365		
INTRODUCTION TO CONSECUTIVE AND SIMULTANEOUS INTERPRETING	3.0	
The field of cross-cultural communications (with emphasis on the French-speaking world) and practice in the techniques of simultaneous and consecutive interpreting, French-English, English-French. Taught in French.		
<i>Prerequisites: FREN 351. Special fee.</i>		
FREN 367		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 368		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 369		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 375		
FRENCH STUDY ABROAD	3.0-9.0	
Study at a university in a French-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.		
<i>Prerequisite: Departmental approval.</i>		
FREN 380		
COOPERATIVE EDUCATION FOR THE FRENCH MAJOR	4.0-8.0	
Supervised work experience and academic project in professional field related to major.		
<i>Prerequisite: Departmental approval.</i>		
FREN 410		
ADVANCED FRENCH GRAMMAR	3.0	
A review of the most important structural features of French, with special emphasis on areas of interference with English structure. Taught in French.		
FREN 419		
THE TEACHING OF FRENCH IN SECONDARY SCHOOLS	3.0	
Lesson planning; evaluation of techniques; demonstration of teaching procedures and technologies; exploration of the communicative approach. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 452		
TRANSLATION III	3.0	
Translation of articles in specific fields of interest to improve translation skills. Meets the University Writing Requirement for FRCV, FRTR majors.		
<i>Prerequisites: FREN 351. Special fee.</i>		
FREN 470		
SEMINARS	3.0-12.0	
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.		
<i>Prerequisite: Departmental approval.</i>		
FREN 472		
FRENCH LANGUAGE WORKSHOP	3.0	
A thorough foundation in French at the level required for successful graduate studies. Taught in French.		
FREN 478		
INDEPENDENT STUDY	1.0-3.0	
Directed independent study and research in French language and literature.		
<i>Prerequisite: Departmental approval.</i>		
FRIN 145		
INTRODUCTION TO FRENCH CULTURE	3.0	
Various aspects of contemporary France such as politics, education, social and artistic movements.		
FRIN 286		
FRENCH FILM	3.0	
Development of film art with special emphasis on contemporary period. Taught in English. Cross listed with Classics and General Humanities, GNHU 286.		
FRIN 289		
FRANCOPHONE FILM	3.0	
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FREN 289, and Classics and General Humanities, GNHU 289. Meets Gen Ed 2002-Social Science, Non-Western cultural Perspectives. Meets the 1983 General Education Requirement (GER)-Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.		

GERM 101		
BEGINNING GERMAN I	3.0	
For students without previous instruction in German. Emphasis on speaking, with practice in reading and writing simple German. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
<i>Prerequisite: Special fee.</i>		
GERM 112		
BEGINNING GERMAN II	3.0	
Emphasis on speaking, with practice in reading and writing German. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
<i>Prerequisite: Special fee.</i>		
GERM 121		
INTERMEDIATE GERMAN I	3.0	
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
<i>Prerequisite: Special fee.</i>		
GERM 132		
INTERMEDIATE GERMAN II	3.0	
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
<i>Prerequisite: Special fee.</i>		
GERM 141		
REVIEW OF FUNDAMENTAL GRAMMAR	3.0	
Oral and written practice for better control of language structure.		
<i>Prerequisite: GERM 132 or 134.</i>		
GERM 151		
ADVANCED GERMAN I	3.0	
Continuation of Intermediate German on a more advanced level. Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
<i>Prerequisite: GERM 132 or 134. Special fee.</i>		
GERM 152		
ADVANCED GERMAN II	3.0	
Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
<i>Prerequisite: GERM 151. Special fee.</i>		
GERM 209		
PHONETICS AND PHONOLOGY	3.0	
Application of phonetic science to the acquiring and teaching of good pronunciation; the international phonetic alphabet; problems of articulation, rhythm, accentuation and intonation. Strongly recommended for majors desiring teacher certification.		
GERM 251		
INTRODUCTION TO GERMAN LITERATURE I	3.0	
Standard works of German literature from the classical period to the present; methods of literary interpretation. Developmental approach to the principal epochs of German literature. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
GERM 252		
INTRODUCTION TO GERMAN LITERATURE II	3.0	
Standard works of German literature from the classical period to the present; methods of literary interpretation. Developmental approach to the principal epochs of German literature. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
GERM 309		
PRACTICE IN SPOKEN GERMAN	3.0	
Intensive conversation practice to improve fluency and increase active vocabulary.		
GERM 310		
ADVANCED COMPOSITION	3.0	
Intensive written exercises to improve command of the German language; some oral work.		
GERM 315		
TRANSLATION I	3.0	
Intensive practice in the skills of translating professional texts from German into English and from English into German.		
<i>Prerequisite: Departmental approval.</i>		
GERM 351		
GERMAN CIVILIZATION I	3.0	
Epochs and trends in German culture and civilization from the beginnings until Romanticism. The cultural aspects dealt with will include, but not be limited to, literature and the arts, geography, history, politics and folklore. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
GERM 352		
GERMAN CIVILIZATION II	3.0	
Epochs and trends in German culture and civilization from Romanticism until the Present. The cultural aspects dealt with will include, but not be limited to, literature and the arts, geography, history, folklore and the political and educational systems. Special emphasis on the impact of German division and reunification after World War II. Meets the 1983 General Education Requirement (GER)–Foreign Language.		
GERM 360		
MODERN GERMAN PROSE FICTION	3.0	
Reading and discussion of great German novels and novellas of the 19th and 20th centuries; the personal and stylistic characteristics of the authors; the literary periods they represent.		
GERM 375		
GERMAN STUDY ABROAD	1.0-6.0	
Study at a university in a German-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.		
<i>Prerequisite: Departmental approval.</i>		
GERM 400		
SELECTED TOPICS IN GERMAN LITERATURE AND CULTURE	3.0	
Exploration of a timely topic or significant area of German Literature or culture. The specific topic will be announced at the appropriate time before registration begins.		
GERM 480		
INDEPENDENT STUDY IN GERMAN (SENIOR LEVEL)	3.0	
Directed individual study and research in German for senior majors with the desire, ability and responsibility necessary to pursue a special scholarly interest.		
<i>Prerequisite: Departmental approval.</i>		
GRIN 250		
SELECTED TOPICS IN GERMAN LITERATURE AND CULTURE	3.0	
Exploration of a timely topic or significant area of German literature or culture. The specific topic will be announced at the appropriate time before registration begins. May be repeated twice for a total of 9 credits.		
GRIN 260		
SELECTED TOPICS IN GERMAN OR RUSSIAN CULTURE AND CIVILIZATION	3.0	
Selected topics related to German or Russian Culture and Civilization. Topic announced each semester. Taught in English. May be repeated twice for a total of nine credits.		
GRIN 292		
GERMAN LITERATURE 1890–PRESENT	3.0	
The principal movements discernible in German literature since the end of the 19th century. Works representative of important authors and basic genres and trends. No knowledge of German is required. Taught in English. Cross listed with Classics, GNHU 292.		

- GRIN 293
RUSSIAN CULTURE AND CIVILIZATION 3.0
The history of Russian culture from the early stages of Slavic civilization to the contemporary post-Soviet Russian Federation. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. Cross listed with Classics and General Humanities, GNHU 293. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.
- GRIN 295
GERMAN EXPRESSIONISM 3.0
Various aspects of German expressionism, encompassing roughly the period between the two world wars; the political and social climate of the Weimar Republic; literature, painting, sculpture, music and the film of that era; defining expressionism as a specific historical period as well as a perennial stylistic device. Taught in English. Cross listed with Classics and General Humanities, GNHU 295.
- GRIN 297
WOMEN IN RUSSIAN LITERATURE 3.0
This course will examine the roles, status, identity and problems of female characters in representative works of Russian literature from the medieval period to the present. It will trace the development of mythic images about "Mother Russia," study the cultural messages of classic nineteenth century Russian heroines and explore adaptations in the traditional appreciation of Russian women in the early Soviet period as well as contemporary works. Meets the Multicultural Awareness Requirement.
- RUSS 101
BEGINNING RUSSIAN I 3.0
The fundamentals of grammar and pronunciation. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- RUSS 112
BEGINNING RUSSIAN II 3.0
The fundamentals of grammar and pronunciation. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee
- RUSS 121
INTERMEDIATE RUSSIAN I 3.0
Continuation of Russian 101 and 112. Open to students who have acquired an elementary knowledge of Russian elsewhere. Detailed review of Russian grammar and pronunciation, more advanced conversation. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- RUSS 132
INTERMEDIATE RUSSIAN II 3.0
Continuation of Russian 101 and 112. Open to students who have acquired an elementary knowledge of Russian elsewhere. Detailed review of Russian grammar and pronunciation, more advanced conversation. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- RUSS 141
ADVANCED RUSSIAN I 3.0
Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- RUSS 152
ADVANCED RUSSIAN II 3.0
Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- RUSS 478
INDEPENDENT STUDY IN RUSSIAN 1.0-3.0
Directed individual study and research in Russian for special students.
Prerequisite: Departmental approval.

General Humanities Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Coordinator: Victoria Tietze Larson

The major in General Humanities critically examines the culture, ideas, and values of earlier cultures, Western and non-Western, both in their original time periods and as they have been appropriated and transformed by later ages. In particular, the program seeks to develop a critical awareness of how the classical past has been utilized as a symbol or an ideal by modern cultures, including American, and how Western culture has developed its own particular views about itself as being distinctly different from non-Western cultures.

The major is especially recommended for students who have a broad interest in the liberal arts either for their own sake or as preparation for business and the professions. The General Humanities program, coordinated by the Department of Classics and General Humanities, is unique both in respect to the breadth of disciplines (history, literature, philosophy, religious studies, art history, music history) in which students are required to take courses and in respect to the senior seminar, in which students write a senior thesis addressing the contemporary role of the humanities from an interdisciplinary perspective.

General Humanities Major

Required Core Courses

	Semester Hours
GNHU 201 General Humanities I (to 1400)	3
GNHU 202 General Humanities II (from 1400)	3
GNHU 499 Senior Humanities Seminar	4

Electives (Major)

Students will take a total of 24 semester hours in selected courses in the five areas listed below. A detailed list of major electives follows the *Courses of Instruction*.

- a. History: One course from two of the following groups:
 - (1) Earlier Western
 - (2) Later Western
 - (3) Non-Western

total 6
 - b. Philosophy and Religious Studies: One course from each group:
 - (1) Philosophy
 - (2) Religious Studies

total 6
 - c. Literature: One course from each group:
 - (1) Comparative Literature
 - (2) National Literature

total 6
 - d. Art History: One course 3
 - e. Music History: One course 3
- Grand total: 34

Courses of Instruction

- GNHU 201
GENERAL HUMANITIES I (TO 1400) 3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets the General Education Requirement - Humanities, General Humanities.
- GNHU 202
GENERAL HUMANITIES II (FROM 1400) 3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets the General Education Requirement - Humanities, General Humanities.

GNHU 499

SENIOR HUMANITIES SEMINAR

4.0

A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem arising from the concentration.

Prerequisite: Senior standing as a General Humanities major.

Detailed list of Major Elective Courses

HISTORY

Earlier Western:

HIST 281	Greek Civilization	3
HIST 282	Roman Civilization	3
HIST 322	Medieval European Civilization 450-1350	3
HIST 419	Age of Renaissance 1350-1517	3
GNHU 281	Greek Civilization	3
GNHU 282	Roman Civilization	3

Later Western:

HIST 204	The Second World War	3
HIST 212	Social History of the United States	3
HIST 213	Economic History of the United States	3
HIST 214	Diplomatic History of the United States	3
HIST 215	Women in American History	3
HIST 217	History of Black Americans	3
HIST 218	Political History of the United States	3
HIST 219	Sport in History	3
HIST 221	Europe's Conquest of the Americas, 1415-1763	3
HIST 222	Economic History of Europe	3
HIST 225	The Poles, Czechs, Slovaks and Hungarians Since 1815	3
HIST 309	Feminist Ideas in Western Thought	3
HIST 310	Immigrant in American History	3
HIST 311	Early History of New Jersey 1702-1789	3
HIST 312	Historical Geography of the United States	3
HIST 313	Biography in American History	3
HIST 320	American Urban History Since 1880	3
HIST 321	History of the American Worker since 1877	3
HIST 323	History of Russia to 1917	3
HIST 324	Russia since 1917	3
HIST 327	History of France since 1789	3
HIST 328	Conflict in Modern Ireland	3
HIST 329	History of England to 1714	3
HIST 331	History of England 1714-1914	3
HIST 406	History of American Business	3
HIST 411	Intellectual History of the United States	3
HIST 420	The Reformation Era 1500-1650	3
HIST 422	Studies in Enlightenment History	3
HIST 424	Diplomatic History of Europe	3
HIST 426	The Nazi Third Reich	3
HIST 433	American Colonial History 1607-1763	3
HIST 434	American Revolution and Early Republic 1763-1828	3
HIST 435	The Union in Crisis 1820-1877	3
HIST 436	America in the Gilded Age	3
HIST 437	American Society in the 20th Century	3
HIST 438	America in the Sixties: The Crisis of Consensus Liberalism ..	3

Non-Western:

HIST 108	Introduction to African Civilization	3
HIST 109	Introduction to Islamic Civilization	3
HIST 114	Early Latin American Civilization	3
HIST 115	History of Puerto Rico	3
HIST 116	Modern Latin-American Civilization	3
HIST 128	Pre-modern Japan: A History of Japan to the Meiji Restoration	3
HIST 129	Modern Japan: A History of Japan from the Meiji through the Showa	3
HIST 131	Introduction to Indian Civilization	3
HIST 132	Introduction to Chinese Civilization	3
HIST 133	Modern Chinese Civilization	3
HIST 223	Communist Revolution in China	3
HIST 416	Church and State in Latin America	3

PHILOSOPHY AND RELIGIOUS STUDIES:

Philosophy:

PHIL 212	Social and Political Philosophy	3
PHIL 231	American Philosophy	3
PHIL 233	Contemporary Philosophers	3
PHIL 237	Asian Philosophy	3
PHIL 239	Existentialism	3
PHIL 260	Philosophies of Art	3
PHIL 262	Philosophy of Religion	3
PHIL 266	Philosophy of Science	3
PHIL 290	Fields of Philosophy: Selected Topics	3
PHIL 291	Fields of Philosophy: Selected Topics	3
PHIL 292	Fields of Philosophy: Selected Topics	3
PHIL 295	Periods and Movements: Selected Topics	3
PHIL 297	Periods and Movements: Selected Topics	3
PHIL 310	Knowledge, Belief and Truth	3
PHIL 312	Existence and Reality	3
PHIL 314	Philosophy of Language	3
PHIL 316	Philosophy of Law	3
PHIL 331	History of Philosophy: Ancient Philosophy	3
PHIL 333	History of Philosophy: Modern Philosophy	3
PHIL 335	Nineteenth Century Philosophy	3
PHIL 390	Fields of Philosophy: Selected Topics	3
PHIL 392	Fields of Philosophy: Selected Topics	3
PHIL 395	Periods and Movements: Selected Topics	3
PHIL 397	Periods and Movements: Selected Topics	3
PHIL 424	Seminar in Philosophy	3
PHIL 426	Seminar in Philosophy	3
PHIL 427	Seminar in Philosophy	3
PHIL 429	Seminar in Philosophy	3

Religious Studies:

RELG 107	Death and Dying: Religious Perspectives	3
RELG 200	Old Testament: Genesis to Joshua	3
RELG 202	Old Testament: Joshua to Daniel	3
RELG 204	New Testament: Jesus and the Gospels	3
RELG 206	New Testament: Paul and the Early Church	3
RELG 210	Native American Religions	3
RELG 212	Asian Religions	3
RELG 216	Islamic Religious Traditions	3
RELG 221	Religion and Culture	3
RELG 223	Religion in North America	3
RELG 225	Religion and Social Change	3
RELG 256	Religion in Latin America	3
RELG 258	Christian History and Thought	3
RELG 262	Philosophy of Religion	3
RELG 267	Women in Religion	3
RELG 273	The Holocaust: Religious Perspectives	3
RELG 300	Classics of Western Religious Thought	3
RELG 355	Selected Study in Religion and Culture	3
RELG 357	Selected Study in Religious Issues	3
RELG 460	Seminar in World Religions	3
RELG 462	Seminar in Religious Texts	3
RELG 465	Seminar in Religion and Culture	3
RELG 467	Seminar in Religious Issues	3

LITERATURE:

Comparative Literature:

ENLT 366	African Myth and Literature	3
ENLT 372	Women Prose Writers	3
ENLT 373	Literary Modernism	3
ENLT 374	Contemporary European Drama	3
ENLT 375	Modern Drama: Ibsen to O'Neill	3
ENLT 376	Modern European Novel	3
ENLT 377	Speculative Fiction: Fantasy	3
ENLT 464	Modern Poetry to T.S. Eliot	3
ENLT 492	Seminar in Comparative Literature	3

National Literature:

ENGL 226	Literature of the American Renaissance	3
ENGL 234	American Drama	3
ENGL 238	Black Writers in the United States: A Survey	3
ENGL 240	English Literature I: Beginnings to 1660	3
ENGL 241	English Literature II: 1660 to Present	3
ENGL 247	The Augustan Age	3
ENGL 250	Special Topics in English or American Literature	3
ENGL 254	English Drama: Beginnings to 1642	3

ENGL 256	English Novel to 1900	3
ENGL 294	Women Poets	3
ENGL 324	American Poetry to 1940	3
ENGL 325	American Poetry: World War II to Present	3
ENGL 326	Early American Literature	3
ENGL 336	American Literary Realism	3
ENGL 337	Modern American Fiction	3
ENGL 338	Contemporary American Fiction	3
ENGL 343	Milton	3
ENGL 344	Chaucer	3
ENGL 345	Middle English Literature	3
ENGL 346	19th Century English Romantic Literature	3
ENGL 347	Victorian Prose and Poetry	3
ENGL 348	Renaissance Literature	3
ENGL 353	Shakespeare: Comedies-Histories	3
ENGL 354	Shakespeare: Tragedies-Romances	3
ENGL 364	Contemporary Poetry	3
ENGL 401	Old English Language and Literature	3
ENGL 444	17th Century English Poetry	3
ENGL 446	Irish Renaissance Period Literature	3
ENGL 455	Restoration and 18th Century Drama	3
ENGL 456	20th Century English Novel	3
ENGL 493	Seminar in American Literature	3
ENGL 494	Seminar in English Literature	3

ART HISTORY:

ARHS 215	Ancient Art	3
ARHS 216	Renaissance Art in Italy: The Fifteenth Century	3
ARHS 220	Art in Non-Western Societies	3
ARHS 275	Afro-American Art	3
ARHS 322	Early Christian-Byzantine Art	3
ARHS 323	Medieval Art	3
ARHS 324	Northern Renaissance Painting	3
ARHS 325	Seventeenth and Eighteenth Century Art	3
ARHS 327	History of Oriental Art	3
ARHS 328	Survey of Greek Art	3
ARHS 329	American Art	3
ARHS 332	Ancient Art of Europe	3
ARHS 450	Modern Architecture	3
ARHS 451	Contemporary Art	3
ARHS 452	Renaissance Art in Italy: The Sixteenth Century	3
ARHS 455	Selected Problems in Art History	3
ARHS 457	Pre-Colombian, Oceanic and African Art	3
ARHS 458	African Art: Sub-Saharan	3
ARHS 459	Art of the Nineteenth Century	3
ARHS 461	Nineteenth Century American Painting	3
ARHS 469	Art of the Twentieth Century	3
ARHS 485	Ancient Art in Italy: Etruscan and Roman Art	3

MUSIC HISTORY:

MUGN 100	Introduction to Music	3
MUGN 150	Influence of Afro-American Culture on Music	3
MUGN 209	Introduction to Jazz	3

HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Joseph Donnelly

The Department of Health Professions, Physical Education, Recreation, and Leisure Studies (HPPERLS) provides preparation in the education theory, technology, research, policy and practice of health, adult fitness, allied health, athletic training, commercial recreation and tourism, community health, health education, hospitality management, physical education, and sports management. Students are educated for careers in the health care industry, in public and corporate education, teaching health and physical education, in the sports, recreation, hospitality, tourism industries and athletic training. Students are also well prepared for graduate-level education. All programs provide a combination of broad studies in the liberal arts with in-depth education in a professional field. All programs emphasize clinical and field experience. The curricula provides students with structure in a discipline as well as flexibility to elect courses in areas other than the academic major.

The department is organized into five (5) academic units: Athletic Training, Health Professions, Physical Education, Commercial Recreation and Tourism and Hospitality Management.

HPPERLS offers many opportunities for both students majoring in these diverse areas of study as well as students generally interested in our unique professions. Although the career goals of majors are varied, there are certain common threads. Students tend to be people-oriented, concerned with lifelong activity, and interested in general fitness, wellness and business concepts. These characteristics apply to students preparing for traditional careers as teachers, clinicians, administrators and managers.

Health Professions majors are prepared through classroom instruction and field experience for careers in educational and administrative positions in hospitals, long term care facilities, clinics, and many other types of organizations involved in health care. Health Education majors prepare to teach and/or conduct research in traditional school settings. Community Health Education majors also prepare to develop and implement health-related programs in public or voluntary health agencies.

Athletic Training majors prepare for careers as athletic trainers. Athletic Trainers are allied health professionals who provide health care for physically active individuals. The Athletic Training Education Program (ATEP) and Bachelor of Science in Athletic Training prepare students for the national Athletic Trainers' Association Board of Certification examination. Graduates who pass the certification examination can be employed as Athletic Trainers at high schools, colleges and universities, sports medicine clinics and professional athletic settings. The ATEP is a candidate for accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Physical Education majors are prepared for careers in teaching, (K-12) Physical Education and Health Certification and professional/entrepreneurial positions in the fitness field. Specializations in athletic training coaching, and adapted physical education have been developed to provide students with strong backgrounds in these specialized areas. The Adult Fitness concentration prepares students for a corporate, clinical (cardiac rehabilitation), commercial or community setting. The Association for Worksite Health Promotion recognized the Adult Fitness Program with an outstanding Professional Preparation Award.

Recreation Professions majors prepare for careers in commercial recreation and tourism, and hospitality management. These areas of study are designed to prepare the students for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory positions and for management and marketing oriented careers.

Successful completion of each degree program results in the granting of the Bachelor of Science degree.

Health Education Major

Required Courses

		Semester Hours
HLTH	207 Safety, Accidents, and Emergency Care	3
HLTH	210 Consumer Health*	3
HLTH	213 Perspectives on Drugs	3
HLTH	220 Mental Health	3
HLTH	240 Foundations of Environmental Health	3
HLTH	290 Human Sexuality	3
HLTH	307 The Study of Human Diseases	3
HLTH	315 Public Health	3
HLTH	330 Foundations Of Health Education	3
HLTH	404 Foundations of Measurement and Evaluation in Health Education	3
HLTH	411 School Health and Community Services	3
HLTH	440 Health Aspects of Aging*	3
HLTH	442 Health Promotion**	3

* Required for Teacher Education only.

** Required for Community Health Services Concentration only.

Required Collateral Courses

BIOL	240 Mammalian Anatomy and Physiology I	3
BIOL	241 Mammalian Anatomy and Physiology II	3
BIOL	254 Applied Microbiology	3
CHEM	107 College Chemistry I	2
CHEM	109 College Chemistry Laboratory I	1
CHEM	108 College Chemistry II	2
CHEM	110 College Chemistry Laboratory II	1
HENU	182 Nutrition	3

Community Health Services Concentration

HLTH	401 The Teaching of Health	4
HLTH	430 Health Counseling	3
HLTH	491 Health Education and the Computer	3
MGMT	231 Management Processes	3

Plus the following courses in sequence:

HLTH	245 Observation of Health Agencies	2
HLTH	350 Field Study in Health	6

OR

COED	401 Cooperative Education Experience I	6-8
------	--	-----

Teacher Certification

Health Education, grades K-12

Students pursuing teacher certification in Health Education for Kindergarten through Grade 12 must be admitted to the Teacher Education Program. They take the required major and collateral courses listed above and HLTH 401, *The Teaching of Health*. In addition, they must follow the professional sequence outlined in the Teacher Education Program in this catalog.

Allied Health Services Major

Technical Speciality in Allied Health

Twenty-four (24) credits must be completed at or recognized by an academically accredited institution prior to transfer to Montclair State.

Required Courses

		Semester Hours
HLTH	315 Public Health	3
HLTH	455 Core Concepts in the Delivery of Health Care	3
HLTH	460 Systems of Health Services Delivery	3

Collateral Courses

ACCT	200 Accounting for Non Business Majors	3
OR		
ACCT	201 Fundamentals of Accounting I	3
ECON	101 Principles of Economics: Macro	3
ECON	102 Principles of Economics: Micro	3
CMPT	108 Computers and Programming	3
OR		
INFO	273 Introduction to Computers in Business	3

MATH	109	Statistics	3
MGMT	231	Management Processes	3
MGMT	316	Human Resource Management	3
OR			
MGMT	431	Middle and First Line Management	3

Electives (Departmental)

Select	12	semester hours from the following:	12
HLTH	207	Safety, Accidents and Emergency Care	3
HLTH	210	Consumer Health	3
HLTH	213	Perspectives on Drugs	3
HLTH	220	Mental Health	3
HLTH	290	Human Sexuality	3
HLTH	430	Health Counseling	3
HLTH	440	Health Aspects of Aging	3
HLTH	445	Perspectives on Death	3
HLTH	491	Health Education and the Computer	3

Health Studies Minor

This eighteen semester-hour minor is designed especially for Liberal Arts students and other selected majors seeking to enhance their academic and/or professional preparation through selected study pertaining to the broad spectrum of health care delivery and related services. Following careful consultation with a departmental advisor, each candidate develops a sequence of coursework in three major areas: (1) Foundations of Health Study; (2) Basic Content in the Health Disciplines; and (3) Processes of Development, Implementation and/or Evaluation, particularly as these elements pertain to the respective major field of study.

The basic objectives of the Health Studies Minor are to: (1) enhance career opportunities related to a student's major academic and/or professional interests; (2) increase opportunities for continuing and advanced education in the health professions and/or in health-related disciplines; and (3) expand individual awareness of significant personal and community health issues, while providing for the refinement of one's decision-making capabilities in these contexts. Students seeking acceptance into the Health Studies minor must consult with a departmental advisor to determine the applicability of the Health Studies Minor to one's specific academic major and career goals. An eighteen-semester hour program of coursework must be established, including studies in each of the following categories:

A. Foundations of Health Study			3-6 semester hours
HLTH	105	Medical Terminology	3
HLTH	315	Community Health	3
HLTH	330	Foundations of Health Education	3
HLTH	411	School Health and Community Services	3
HLTH	460	Systems of Health Care Delivery	3
HLTH	490	Ethics in Health Care	3
B. Basic Content in the Health Disciplines			9-12 semester hours
HLTH	101	Personal Health Issues	3
HTLH	207	Safety, Accidents and Emergency Care	3
HLTH	210	Consumer Health	3
HLTH	213	Perspectives on Drugs	3
HLTH	220	Mental Health	3
HLTH	240	Foundations of Environmental Health	3
HLTH	290	Human Sexuality	3
HLTH	307	The Study of Human Diseases	3
HLTH	313	Health Consequences of Alcohol Use and Abuse	3
C. Processes of Development, Implementation and/or Evaluation			3-6 semester hours
HLTH	245	Observation of Health Agencies	2-3
HLTH	350	Field Study in Health	2-6
HLTH	404	Foundations of Measurement and Evaluation in Health Education	3
HLTH	430	Health Counseling	3
HLTH	491	Health Education and the Computer	3
HLTH	495	Writing for Publication in Health	3
COED	401	Cooperative Education Experience I	3-8

Athletic Training Education Program

The Bachelor of Science in Athletic Training (BSAT) is a professional preparation program designed to provide students with the education necessary to prepare them for certification by the National Athletic Trainers' Association Board of Certification (NATABOC). Students pursuing certification in Athletic Training must be admitted to the Athletic Training Education Program (ATEP) and complete all requirements. The ATEP is accredited by the Commission for Accreditation of Allied Health Education Programs (CAAHEP).

Students are primarily admitted to the ATEP on a space available basis. All prospective students must be admitted to the University and list Athletic Training as their choice of major. Candidates for the BSAT must submit an application for the program to the office of the Program Director. Prospective students must participate in an interview with the Program Director and/or Athletic Training faculty. All candidates must complete 100 hours of observation with an NATABOC Certified Athletic Trainer and sign the Technical Standards. Following completion of the application packet and interview, an Athletic Training Index (ATI) will be generated from cumulative scores on the objective portion of the recommendations, the Athletic Training faculty ranking of the narratives on recommendations and the student essay. All students receiving a cumulative ATI score of 70% or higher will be granted admission to the major. In the event of space limitations, an Athletic Training Admissions Committee consisting of the AT faculty, the MSU Head Athletic Trainer, MSU Assistant Athletic Trainer and a faculty member from the HPPERLS department will generate the ATI. Available spaces in the class will be filled according to the ATI in descending order. Admission begins March 1 and end with the MSU University deadline of May 1. Students desiring admission after the May 1 date for the upcoming fall semester will require permission from the Director of Admissions to apply to the University and the Director of the ATEP.

Transfer students and students desiring a change of major into the BSAT are handled on a case by case basis. The number of students accepted through this route depends on the space availability in the class they are applying to join. **Transfer students** must be accepted to the University and complete all ATEP application procedures. Completed application materials are to be submitted to the ATEP Director. **Current MSU students** desiring a change of major must complete and submit all ATEP application materials to the Program Director prior to scheduling an interview. Transfers and MSU students changing majors must have a cumulative grade point average (GPA) of at least 2.75.

For students who miss the deadline for completion of the ATEP application in the spring for the upcoming fall semester, a provisional acceptance route to the MSU ATEP is provided depending on space availability in the freshman class. Students attempting ATEP admission via the provisional route enter MSU as "undeclared" or in a MSU major to which they have gained acceptance. Students register for all fall ATEP coursework (see Program Requirements) which must be completed with a grade of "C" or higher. The overall GPA at the end of the provisional fall semester must be 2.75. Additionally, the entire ATEP admissions application including clinical observation hours, must be submitted on or before December 1. Students are responsible for making arrangements for the clinical observation hours and transportation to the clinical site. Please be advised that admission for provisional candidates is not rolling. Admission decisions will be made by the ATEP admissions committee during the break between semesters and are not finalized until grades have been recorded by the registrar. The admissions process is otherwise identical to that for other prospective students. The provisional route to ATEP admission is open to all matriculating students at MSU.

Please be advised that the ATEP course sequence takes at least 8 consecutive semesters to complete. Careful planning may decrease the required number of semesters to 6 for transfers or students changing majors. Please contact the ATEP Educational Director for information on coordination of coursework prior to admission. Up to date information on requirements for the BSAT can be found on the World Wide Web at <http://www.montclair.edu/pages/ate/>.

Athletic Training Major

Required Theory Courses (25 s.h.)

	Semester Hours
HPEM 100	Orientation to the Field of Health and Physical Education ... 1
HLTH 150	Principles and Practices of Emergency Care 3
HLTH 307	Study of Human Diseases 3

PEMJ	220	Physiology of Exercise	3
PEMJ	221	Kinesiology	3
PEMJ	222	Basic Motor Learning	3
PEMJ	351	Adapted Physical Education	3
PEMJ	353	Psychology of Sport	3
HPEM	355	Measurement and Evaluation in Health and Physical Education	3

Required Professional Sequence (31 s.h.)

ATTR	101	Principles of Athletic Training	3
ATTR	201	Advanced Prevention and Care of Athletic Injuries	3
ATTR	211	Assessment of Athletic Injuries I - Lower Body	3
ATTR	212	Assessment of Athletic Injuries II - Upper Body	3
ATTR	312	Therapeutic Exercise in Athletic Training	3
ATTR	311	Therapeutic Modalities in Athletic Training	3
ATTR	411	Administration of Athletic Training Programs	3
ATTR	479	Internship in Athletic Training	4
ATTR	495	Seminar in Athletic Training	3
HLTH	105	Medical Terminology	3

Professional Clinical Sequence (10 s.h.)

PEMJ	228	Clinical Education in Athletic Training I	2
PEMJ	229	Clinical Education in Athletic Training II	2
PEMJ	328	Clinical Education in Athletic Training III	2
PEMJ	329	Clinical Education in Athletic Training IV	2
PEMJ	428	Clinical Education in Athletic Training V	2

Required Collateral Courses (16)

BIOL	240	Mammalian Anatomy and Physiology I	3
BIOL	241	Mammalian Anatomy and Physiology II	3
CHEM	107	College Chemistry I	2
CHEM	108	College Chemistry II	2
HENU	182	Nutrition	3
PSYC	200	Educational Psychology	3

Physical Education Major with Teacher Certification in Physical Education and Health

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

The department has specific requirements for admission to the Teacher Education Program. These include maintaining a minimum grade point average (GPA) of 2.75 in physical education major courses (PEMJ, HPEM, and HLTH) and a 2.75 GPA overall. In addition, transfer students need to complete a minimum of 6 semester hours in physical education courses at Montclair State University to be eligible to apply to the Teacher Education program.

Required Theory Courses (37 s.h.)

		Semester Hours
HPEM	100	Orientation to the Field of Health and Physical Education ...
HLTH	150	Principles and Practices of Emergency Care
HLTH	213	Perspectives on Drugs
HLTH	220	Mental Health
HLTH	290	Human Sexuality
HLTH	307	Study of Human Diseases
HPEM	352	Development and Philosophy of Health and Physical Education
HPEM	355	Measurement and Evaluation in Health and Physical Education
HPEM	356	Management of Health, Physical Education, Athletic, and Fitness Programs
PEMJ	220	Physiology of Exercise
PEMJ	221	Kinesiology
PEMJ	222	Basic Motor Learning
PEMJ	351	Adapted Physical Education

Required Activity Courses (16 s.h.)

1. Select 3 sport modules: One team, one individual, and one additional (6 semester hours)	
a. Team Sports Modules choices:	
PEMJ	135 Sports Module I: Football, Basketball, Team Handball
PEMJ	136 Sports Module II: Soccer, Speedball, Volleyball
PEMJ	137 Sports Module III: Softball, Lacrosse, and Hockey
b. Individual Sport Modules choices (4 semester hours)	
PEMJ	138 Sports Module IV: Tennis, Badminton and Fencing
PEMJ	139 Sports Module V: Archery, Golf, and Track and Field

2. Required Skill Activities (10 semester hours):

PEMJ	117	Aquatics and Outdoor Education
PEMJ	131	Fitness Activities
PEMJ	145	Dance in the Schools
PEMJ	235	Movement Experiences in the Elementary School
PEMJ	248	Teaching Gymnastics in the Schools

Collateral Courses (6 s.h.)

BIOL	240	Mammalian Anatomy and Physiology I
BIOL	241	Mammalian Anatomy and Physiology II

Professional Sequence (37 semester hours)

<u>1. Pre-admission to Teacher Education</u>		
CURR	200	Initial Field Experience 1
PSYC	101	General Psychology I: Growth and Development 3
PSYC	200	Educational Psychology 3
<u>2. Acceptance to the Teacher Education Program</u>		
CURR	400	Teacher, School and Society 3
CURR	410	Intermediate Field Experience in Education 1
HLTH	401	The Teaching of Health 4
PEMJ	457	Teaching of Physical Education 4
READ	407	Reading: Theory and Process 3
READ	409	Teaching for Critical Thinking 3
<u>3. Professional Semester</u>		
CURR	402	Seminar in Professional Education 1
CURR	411	Supervised Student Teaching 8
CURR	435	Effective Teaching/Productive Learning 3

Professional Sequence for Teacher Education

Please refer to the Teacher Education Program, outlined in this catalog, for specific information on the Professional Sequence.

Physical Education Major

Adult Fitness Concentration (62 semester hours)

Required Courses (23 s.h.)

Required Courses (20 sem)			Semester Hours
HPEM	100	Orientation to the Field of Health and Physical Education ...	1
HLTH	150	Principles and Practices of Emergency Care	3
HPEM	352	Development and Philosophy of Health and Physical Education	3
HPEM	356	Management of Health, Physical Education, Athletic, and Fitness Programs	3
PEMJ	220	Physiology of Exercise	3
PEMJ	221	Kinesiology	3
PEMJ	222	Basic Motor Learning	3
PEMJ	246	Field Experience in Adult Fitness	1
PEMJ	351	Adapted Physical Education	3

Activity Courses Required (11 s.h.)

PEMJ	117	Aquatics and Outdoor Education
PEMJ	131	Fitness Activities
PEMJ	151	Yoga, Relaxation and Stress Management
PEMJ	231	Fitness Assessment and Exercise Prescription
PEMJ	233	Leadership in Aerobic Programming
PEMJ	234	Leadership in Anaerobic Programming and Conditioning

Theory Specialization Core (28 s.h.)

PEMJ	340	Fitness and the Aging Process	3
PEMJ	375	Foundations and Practices in Cardiac Rehabilitation	3
PEMJ	376	Seminar in Fitness Programming	2
BSed	101	Contemporary Business	3
COUN	331	Group Dynamics	3
HENU	182	Nutrition	3
MKTG	240	Introduction to Marketing	3

Select One:

PEMJ	380	Internship in Physical Education	8
OR			
PEMJ	381	Cooperative Education in Physical Education	8

Collateral Courses (16 s.h.)

HLTH	101	Personal Health Issues	3
HPEM	355	Measurement and Evaluation in Health and Physical Education	3
BIOL	240	Mammalian Anatomy and Physiology I	3
BIOL	241	Mammalian Anatomy and Physiology II	3
CHEM	107	College Chemistry I	2
CHEM	108	College Chemistry II	2

Hospitality Management Program

The hospitality industry is a dynamic, service oriented industry that is growing in sophistication. Due to the characteristics of hospitality products and services and continuous growth, the hospitality industry requires competent professionals proficient in such areas as information systems, marketing, human resource management, accounting, and areas of specialization. Hence the need for professionals with appropriate Bachelor's and Master's degrees. The Bachelor of Science degree in Hospitality Management focuses on preparing students to manage daily operations, the financial and human resources and the marketing of all lodging, foodservice and beverage establishments including casinos, resorts, and cruise lines. An emphasis is placed on new trends and global impact of the hospitality industry, necessary for continuous growth and development.

Courses are also open as electives for those majoring in other fields meeting the necessary prerequisite requirements.

Hospitality Management Major

Required Foundation Courses (36 s.h.)

		Semester Hours
ACCT	201 Fundamentals of Financial Accounting	3
ACCT	202 Fundamentals of Managerial Accounting	3
HEFD	240 Sanitation Management and Food Microbiology: Certification	1
HEFD	252 Quantity Food Purchasing and Production Laboratory	2
HEFD	253 Quantity Food Purchasing and Production	3
HOSP	150 Introduction to the Hospitality Industry	3
HOSP	230 Hospitality Management	3
HOSP	290 Hospitality Internship I	3
HOSP	400 Hospitality Law	3
HOSP	460 Hospitality Internship II	3
PERL	123 Leadership and Business Ethics in the Tourism and Hospitality Industry	3
PERL	235 Tourism and Hospitality Marketing	3
PERL	350 Facilities Design and Maintenance in the Tourism and Hospitality Industry	3

Required Major Courses (21 s.h.)

HOSP	405	Human Resource Management in Hospitality and Tourism ..	3
HOSP	410	Hospitality Operations Management I	3
HOSP	415	Cost Management for Hospitality Managers	3
HOSP	420	Advanced Hospitality Marketing	3
HOSP	425	Technology in the Hospitality Industry	3
HOSP	435	Managing Diversity in the Hospitality Industry	3

Capstone Course

HOSP	490	Entrepreneurship in the Hospitality Industry	3
------	-----	--	---

Electives (6 s.h.)

Select one of the options listed below:

Option 1: Choose two courses from the following:

HOSP	440	Service Management in the Hospitality Industry	3
HOSP	445	Hospitality Operations Management II	3
HOSP	450	International Hospitality Management	3

Option 2: Choose one course from the Hospitality Management courses listed under Option 1 and one course at the 300 level or above from the fields of Business, Commercial Recreation and Food Management. Students who exercise this option must obtain departmental approval for the course selected and must have fulfilled any prerequisites for that course as well.

Collateral Courses

CMPT	109	Introduction to Computer Applications: Being Fluent with Information Technology	3
ECON	100	Introduction to Economics	3
HENU	192	Nutrition	4
HOSP	199	Hospitality and Tourism Professional Seminar 1	1
MATH	109	Statistics	3

Recreation Professions Program

As more leisure time becomes available, the opportunity for leadership in both the private and public areas of recreation and leisure enterprises grows. A student who enrolls in the department's program can earn a Bachelor of Science degree with a concentration in Commercial Recreation and Tourism or Therapeutic Recreation. Both of these areas of study are designed to prepare the student for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory and management levels.

Courses are also open as electives for those majoring in other fields. Here the emphasis is placed on the role of recreation and leisure in life-planning and community service, and developing cross-specialization between other disciplines.

Recreation Professions Major

Required Courses (42 s.h.)

			Semester Hours
PERL	123	Leadership Techniques in Recreation and Leisure Services ..	3
PERL	124	Introduction to Recreation, Tourism, Hospitality and Leisure Services	2
PERL	225	Program Planning in Recreation and Leisure	3
PERL	228	Recreation and Hospitality for Special Populations	3
PERL	312	Budget and Finance in Recreation and Tourism	3
PERL	322	History and Philosophy of Leisure, Play and Recreation	3
PERL	334	Research Methods in Recreation and Leisure Services	4
PERL	350	Design, Maintenance, and Utilization of Recreation, Tourism and Park Facilities	3
PERL	430	Management of Recreation and Leisure Services	4
PERL	437	Senior Seminar*	2
PERL	489	Internship**	12

*2.45 GPA needed

**Satisfactory completion of Senior Seminar

Recreation students are required to select an 18 semester hour concentration in their major, and include 6 semester hours of Psychology under General Education.

Concentration Within the Major

Commercial Recreation and Tourism

Required Courses (18 s.h.)

Required Courses (16 sem)			Semester Hours
PERL	311	Meeting, Event, and Conference Planning	3
PERL	340	Introduction to Commercial Recreation and Tourism	3
PERL	342	Delivery of Commercial Recreation and Tourism Services ..	3
PERL	346	Tourism and Commercial Recreation, Planning, Development, and Analysis	3
Two Business Electives selected from approved list			6

Courses of Instruction

Athletic Training

ATTR 101

PRINCIPLES OF ATHLETIC TRAINING 3.0

The first course in the Bachelor of Science Athletic Training. Students in this course will learn introductory theory and skills in the prevention, recognition and care of athletic injuries. In addition, the course will introduce students to concepts in emergency planning, research and writing in the field of athletic training and basic skills in injury care and patient transfer.

Prerequisite: Athletic Training majors only; departmental approval.

Corequisite: BIOL 240.

ATTR 199

ORIENTATION TO ATHLETIC TRAINING 1.0

This course will serve as an introduction to the university experience with emphasis on an introduction to the Athletic Training profession. The goal of this course is to provide a forum for the development of strategies, skills and techniques that promote success in University life and in an allied health degree program. Topics will include MSU expectations, critical thinking, study skills, note-taking, course selection, diversity, wellness, and an understanding of the breadth of athletic training and sports medicine in the schools, community, medical and allied health settings. Students will develop skills in oral presentation, general and discipline specific written expression, and class participation.

Prerequisite: Athletic Training majors only.

ATTR 201

ADVANCED PREVENTION AND CARE OF ATHLETIC INJURIES 3.0

This advanced level course integrates the knowledge of anatomy, physiology, biomechanics, nutrition, conditioning, and first aid. This course provides an understanding of the prevention, care, and rehabilitation of athletic injuries. Theoretical and practical aspects of the field will be presented through lecture and laboratory sessions in order to develop a broad background concerning the health care and medical management of athletic injuries. This course is a requirement for the B.S. in Athletic Training and is directed to students accepted into the major.

Prerequisite: ATTR 101 and BIOL 240; Athletic Training majors only; departmental approval.

Corequisite: ATTR 251.

ATTR 211

ASSESSMENT OF ATHLETIC INJURIES I - LOWER BODY 3.0

The study of theory and techniques required by Athletic Trainers and sports medicine professionals in the evaluation of injuries and conditions to the lower body in physically active individuals. Application of techniques for the assessment of injuries and medical conditions in athletes and physically active individuals will be integrated with laboratory and clinical education experiences.

Prerequisites: ATTR 201, Athletic Training majors only and departmental approval.

Corequisite: ATTR 252.

ATTR 212

ASSESSMENT OF ATHLETIC INJURIES II - UPPER BODY 3.0

Theory and techniques required by athletic trainers and sports medicine professionals in the evaluation of injuries and conditions to the upper body in physically active individuals. Application of techniques for the assessment of injuries and medical conditions in athletes and physically active individuals will be integrated with laboratory and clinical education experiences. Concepts of medical assessment will also be covered.

Prerequisites: ATTR 201, Athletic Training majors only, and departmental approval.

Corequisite: ATTR 351.

ATTR 240

CLINICAL ANATOMY 2.0

This provides students with an educational experience that connects human anatomy to the clinical practice of athletic training. Students will be provided a basic core of anatomic knowledge necessary to understand athletic injury pathology including basic radiographic anatomy.

Prerequisite: Athletic Training majors only.

ATTR 311

THERAPEUTIC MODALITIES IN ATHLETIC TRAINING 3.0

An introduction to therapeutic modalities used for athletic injury rehabilitation within athletic training programs. Topics include physiological effects of therapeutic modalities, theory and principles related to modality utilization, indications and contraindications associated with modality utilization. Practical applications of therapeutic modalities is included.

Prerequisites: ATTR 211, and ATTR 252; Athletic Training majors only; and departmental approval.

ATTR 312

THERAPEUTIC EXERCISE IN ATHLETIC TRAINING 3.0

This class is a study involving the theory and application of rehabilitative exercise to individuals with athletic injuries. This includes preparation for return to play. Upon successful completion of the class, the student should be able to properly select and properly use therapeutic exercise as part of a comprehensive program of athletic injury care and rehabilitation.

Prerequisites: ATTR 211, ATTR 212, ATTR 311; Athletic Training majors only; departmental approval.

Corequisites: PEMJ 352.

ATTR 411

ADMINISTRATION OF ATHLETIC TRAINING PROGRAMS 3.0

An overview of administrative components of an athletic training program for high school, college, and professional athletic organizations. Topics include financial management, training room management, personnel management, health care services, and pharmacology for athletic trainers. Practical experiences in budget management, facility organization, Pharmacological procedures and issues and a case study approach to issue resolution are included.

Prerequisites: ATTR 311 and 312, Athletic Training majors only; departmental approval.

Corequisite: PEMJ 451.

ATTR 479

INTERNSHIP IN ATHLETIC TRAINING 4.0

An upper level course for students in the B.S. in Athletic Training. In this course students will be able to apply theoretical and practical information learned in the program in a working athletic training setting. In this course students will work with an Athletic Training Clinical supervisor at an off-campus venue. The course also provide the student the opportunity to discuss and evaluate the fieldwork experience as well as the field of athletic training through class meetings.

Prerequisites: ATTR 411, PEMJ 451, Athletic Training majors only, and departmental approval.

ATTR 495

SEMINAR IN ATHLETIC TRAINING 3.0

The capstone course for students in the athletic training education program. Students summarize and draw together their didactic and clinical education in preparation for the National Athletic Trainers' Association Board of Certification Examination. Students also explore subjects and current issues germane to the field of athletic training.

Prerequisite: ATTR 411, senior status, Athletic Training majors only, and departmental approval.

PEMJ 228

CLINICAL EDUCATION IN ATHLETIC TRAINING I 2.0

the first in a series of courses which provide students in the Athletic Training Education Program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses completed to date under the supervision of a clinical instructor.

Corequisite: ATTR 101. *Special fee.*

PEMJ 229

CLINICAL EDUCATION IN ATHLETIC TRAINING II 2.0

the second in a series of courses which provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on assessment and evaluation of athletic injuries.

Corequisite: ATTR 211 or ATTR 212. *Special fee.*

PEMJ 328

CLINICAL EDUCATION IN ATHLETIC TRAINING III 2.0

The third course to provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the use of therapeutic modalities in the sports medicine setting.

Prerequisite or corequisite: ATTR 311. *Special fee.*

PEMJ 329

CLINICAL EDUCATION IN ATHLETIC TRAINING IV 2.0

Fourth course to provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the use of therapeutic exercise and rehabilitation in the sports medicine setting. *Prerequisite: or corequisite: ATTR 312. Special fee.*

PEMJ 428

CLINICAL EDUCATION IN ATHLETIC TRAINING V 2.0

The last in a series of courses to provide students in the athletic training education program with supervised clinical education and experience. Under the supervision of a certified clinical instructor, students utilize skills and information from previous classroom and clinical education experiences to assume the majority of duties associated with the operation of an athletic training facility.

Prerequisite or corequisite: ATTR 411. Special fee.

Health Professions

HLTH 101

PERSONAL HEALTH ISSUES 3.0

Examines health as a variable entity having physiological, psychological and environmental dimensions. Employs an individualized participatory approach that includes assessing one's own health status and behavior; increasing competencies in making health related decisions; eliciting health promoting behaviors; and interpreting existing or proposed social actions that ultimately affect personal, family and community health. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

HLTH 105

MEDICAL TERMINOLOGY 3.0

A basic health course introducing elements of medical terminology describing body parts, systems, functions and medical procedures. Emphasis will be placed on development of medical vocabulary and communication skills. The course will provide learning episodes in formulating medical abbreviations and translating complex terminology into lay terms, that ultimately will be applicable to careers in medical writing, health care delivery and management.

HLTH 150

PRINCIPLES AND PRACTICES OF EMERGENCY CARE 3.0

Provides for study of emergency care management. Provides knowledge and skills for teaching principles and practices of emergency care in a school or adult fitness setting.

HLTH 207

SAFETY, ACCIDENTS AND EMERGENCY CARE 3.0

Provides for study of major safety areas including transportation, public safety, industrial and home safety. Emergency health care, first aid treatment, and preventive measures are considered in the context of individual, agency and institutional responsibilities.

HLTH 210

CONSUMER HEALTH 3.0

Interpretation of individual economic activity as it relates to health service and health products. Includes analysis of factors influencing consumer health attitudes and behavior. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

HLTH 213

PERSPECTIVES ON DRUGS 3.0

Provides for the study of licit as well as illicit drug use in contemporary society from the perspective of selected biomedical and psychosocial disciplines. Examines the effects of drugs on the individual and society in the context of changing social conditions and technological developments. Analyzes complex nature of the drug problem and rehabilitative and preventive measures and tentative solutions to this important aspect of human existence. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

HLTH 215

DRUG EDUCATION IN THE SCHOOLS 3.0

Prepare health and physical education teachers to teach and implement drug education programs in the schools.

Prerequisite: Health and Physical Education majors only.

HLTH 220

MENTAL HEALTH 3.0

Provides for the study of human emotional adjustment throughout the life cycle from biomedical and psychosocial perspectives. The factors that foster the development of emotional and mental well-being and the forces that contribute to the breakdown of human adjustment capabilities are identified and analyzed in light of research and clinical literature. Special attention is given to the strategies for the prevention of mental disorders and promotion of mental health. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

HLTH 240

FOUNDATIONS OF ENVIRONMENTAL HEALTH 3.0

Prepares student to make informed decisions concerning the avoidance or elimination of disease-causing environmental exposures by providing an understanding of the scientific principles by which these exposures are identified, measured, and judged as to their acceptability. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science.

HLTH 245

OBSERVATION OF HEALTH AGENCIES 2.0-3.0

An introductory field course designed to acquaint students with a wide range of school and community health programs and professional specializations in health. Provides a series of field visits and short-term placements under professional supervision. Open to all.

HLTH 246

EPIDEMIOLOGY 3.0

Provides a basic understanding of the epidemiologic method of identifying disease-causing exposures. Emphasizes the generation of hypotheses based on descriptive epidemiologic data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing and evaluating disease prevention strategies. Meets Gen Ed 2002—Social Science, Social Science.

HLTH 290

HUMAN SEXUALITY 3.0

Provides for the study of human sexuality from the various biological, physiological, sociological, and psychological perspectives and examines individual and community attitudes concerning sexual behavior. Includes such contemporary issues as abortion, sterilization, homosexuality, artificial insemination, and gender selection. Acquaints students with criteria and processes for understanding themselves as sexual beings in the context of the social environment which provides their opportunities and constraints. Meets the 1983 General Education Requirement (GER)—Electives, Personal and Professional Issues.

HLTH 301

ADDICTIONS AND DEPENDENCIES 2.0

Nature and causes of drug dependencies, including study of substances capable of producing dependency. Preventive measures and various approaches to treatment and rehabilitation of drug-dependent persons.

HLTH 307

THE STUDY OF HUMAN DISEASES 3.0

Provides a comprehensive study of diseases, their etiology, pathophysiology, diagnosis, prognosis, and treatment. Includes a review of causation theories and incidence patterns and focuses on major degenerative, neo-plastic, metabolic, immunologic, and infectious diseases. Attention is given to prevention and control measures with an emphasis on the role of selected health/medical resources in disease management.

HLTH 315

PUBLIC HEALTH 3.0

A basic course focusing on major health problems currently affecting the local, state, national and international scenes and includes consideration of political, social and economic factors. Special attention is directed to the public health organizations and agencies dealing with these health problems. Meets the University Writing Requirement for ALHE, HLCH, HLED majors.

HLTH 330

FOUNDATIONS OF HEALTH EDUCATION 3.0

Provides a comprehensive study of the scientific, social, behavioral, educational, and legal foundations of health education. Traces the evolution and interprets the impact of related professions on school, community and allied health education. Meets the University Writing Requirement for HLCH, HLED majors.

HLTH 350	
FIELD STUDY IN HEALTH	2.0-6.0
Selected experiences in community health work through arrangements with various kinds of health agencies. Major projects developed under supervision of a faculty member and a qualified person in the health professions agency. <i>Prerequisites:</i> HLTH 245.	
HLTH 401	
THE TEACHING OF HEALTH	4.0
Traces historical development of health instruction, examines characteristics of health learners, and compares different types of health education programs. Provides for use of the computer in health education. Requires demonstration of health education planning, teaching and evaluation skills. <i>Prerequisite:</i> Admission to Teacher Education Program.	
HLTH 404	
FOUNDATIONS OF MEASUREMENT AND EVALUATION IN HEALTH EDUCATION	3.0
Provides for the study of the concept and the process of measurement and evaluation in health education. Specific topics related to test selection, test construction, test administration, and analysis of test results are discussed within a broad theoretical framework and reinforced with practical experiences. <i>Prerequisite:</i> Admission to Teacher Education Program.	
HLTH 411	
SCHOOL HEALTH AND COMMUNITY SERVICES	3.0
Provides for an in-depth understanding of the school health program and community services. Includes study of school and health services, healthful school environment, and health education and community health services.	
HLTH 430	
HEALTH COUNSELING	3.0
Course focuses on factors influencing health and illness behavior with implication for behavioral intervention in health care. Included are the intervention strategies of prevention, crisis intervention, postvention and compliance, and the intervention techniques of assessment, interviewing, counseling skills and small group dynamics.	
HLTH 440	
HEALTH ASPECTS OF AGING	3.0
This course focuses upon changes in aspects of health during the middle and later years of life. Includes anatomy and physiology, nutritional requirements, sensoria and those phenomena associated with aging and sexuality. Common causes of morbidity and mortality explored as they relate to the aged. Attention given to the psychosocial and economic needs of the elderly as well as to those aspects of gerontology which deal with legislation and community organization.	
HLTH 442	
HEALTH PROMOTION	3.0
Provides an overview of efforts to reduce the prevalence of disease-promoting behaviors by establishing health programs in various settings. Criteria for prioritizing health promotion efforts are examined and applied to specific risk factor reduction efforts. The need to evaluate the cost-benefit of health promotion programs is emphasized. Administrative and ethical issues in health promotion are addressed.	
HLTH 445	
PERSPECTIVES ON DEATH	3.0
Exploration of the personal and social meanings of death. Formulation of realistic plans for living, through education about death.	
HLTH 455	
CORE CONCEPTS IN THE DELIVERY OF HEALTH CARE	3.0
Interdisciplinary analysis of patient care, supporting functions of health practitioners and human service principles underlying allied health professional-patient interactions. Meets the University Writing Requirement for ALHE majors. <i>Prerequisites:</i> Six months of occupational experience in an allied health specialty.	
HLTH 460	
SYSTEMS OF HEALTH SERVICES DELIVERY	3.0
The organization, administration and functions of health services in the United States and other major nations; the social and professional policies which determine their scope and nature. Principal methods currently employed in the U.S. for analysis and evaluation of health care systems. Offers opportunity to students to relate these general understandings to those segments of the health services system of particular professional interest to themselves.	
HLTH 491	
HEALTH EDUCATION AND THE COMPUTER	3.0
Provides students with a basic understanding of and skills in computer functions related to school and community health education programs. Emphasizes the use and evaluation of software for the planning, implementation and evaluation of health education processes. Explores the use of video technologies and the potential impact of future developments in computer technology.	
HPEM 100	
ORIENTATION TO THE FIELD OF HEALTH AND PHYSICAL EDUCATION	1.0
A professional orientation and an introduction to the breadth of the field of health and physical education in schools, industry and community agencies. Special emphasis is given to the program at Montclair State University. Meets the University Writing Requirement for ATTR, PEAf, PHED majors.	
HPEM 352	
DEVELOPMENT AND PHILOSOPHY OF HEALTH AND PHYSICAL EDUCATION	3.0
The history and development of health and physical education are traced from primitive to modern times. Influences which contributed to the modern philosophy of health and physical education are identified. May not be taken until junior year. Meets the University Writing Requirement for PEAf, PHED majors. <i>Prerequisite:</i> Junior standing.	
HPEM 355	
MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION	3.0
Tests and measurements specifically concerned with the areas of health and physical education. Tests and measurements as tools for better teaching as well as for research. <i>Prerequisite:</i> Junior standing.	
HPEM 356	
MANAGEMENT OF HEALTH, PHYSICAL EDUCATION, ATHLETICS AND FITNESS PROGRAMS	3.0
Comprehensive information about the management of health and physical education, athletics, and fitness programs. Current trends, practices and support services essential to the development of these programs will be examined. <i>Prerequisite:</i> Junior standing.	
Hospitality Management	
HOSP 150	
INTRODUCTION TO THE HOSPITALITY INDUSTRY	3.0
An overview of the dynamic world of the hospitality industry with emphasis on the wide variety of career opportunities. Introduces students to the relationship between the tourism and hospitality industries. Emphasizes lodging and restaurant development and operations. In addition, explores career opportunities in these areas.	
HOPS 199	
HOSPITALITY AND TOURISM PROFESSIONAL SEMINAR	1.0
To provide student with essential knowledge and survival skills needed for the effective study of hospitality and tourism. The seminar includes first-year student orientation, establishes hospitality and related areas identity among students, and explores the fields of hospitality and tourism management as a career. This course also promotes an awareness and understanding of diversity, values and perspectives as they relate to overall student success at MSU. Meets Gen Ed 2002-New Student Seminar.	
HOSP 230	
HOSPITALITY MANAGEMENT	3.0
Introduction to management history and functions such as planning, leading, organizing, and controlling. Provides basic understanding of management concept and its application in the hospitality industry.	
HOSP 290	
HOSPITALITY INTERNSHIP I	3.0
Provides students with industry experience. It enables students to apply their classroom learning to an actual professional work setting. Challenges students in the areas of oral and written communication, critical thinking, global awareness, leadership, technology, self-directed learning, career readiness, decision-making, social responsibility and responsiveness. <i>Prerequisites:</i> HOSP 150, HOSP 199, HOSP 230, PERL 123, PERL 235.	

HOSP 400
HOSPITALITY LAW 3.0
 The goal of this course is to introduce students to the laws and regulations applicable to the ownership and operation of hospitality businesses. It will focus on the legal fundamentals for the hospitality industry with specific emphasis on tort, contract, criminal, and labor law. Cross listed with Legal Studies, LSLW 400.

HOSP 405
HUMAN RESOURCE MANAGEMENT IN HOSPITALITY AND TOURISM 3.0
 Discusses the managerial competencies necessary to manage and motivate the human resources of hospitality and tourism organizations. Competencies include job analysis description and evaluation, recruiting, training, and retention. Class project required.
Prerequisite: HOSP 230.

HOSP 410
HOSPITALITY OPERATIONS MANAGEMENT I 3.0
 This course examines the mechanisms and techniques employed in the management of hospitality operations. It discusses hospitality organizational and operations management responsibilities. Comparisons, case studies, and selected topics focus on equity structures, operations, marketing, and systems for a variety of hospitality operations. Class project required.
Prerequisite: HOSP 150.

HOSP 415
COST MANAGEMENT FOR HOSPITALITY MANAGERS 3.0
 This upper-level course builds on the principles and concepts of financial and managerial accounting. It discusses departmental costs and the relationships between revenues and various types of costs. In addition, it explores the relationship between cost, volume and profit. Common control mechanisms and purchase practices noted in the hospitality industry will be explored. Class project required. Optional: The Educational Institute of the American Hotel and Lodging Association Certification Examination.
Prerequisite: ACCT 202.

HOSP 420
ADVANCED HOSPITALITY MARKETING 3.0
 Provides an opportunity for students to analyze the marketing cases based on "real world" situations in the hospitality industry. The case study process will bring theory, concepts, and facts into the realm of application and implementation. An overview of the discipline as it pertains to the hospitality organizations will be presented to help students with their analysis. Class project required.
Prerequisite: PERL 235.

HOSP 425
TECHNOLOGY IN THE HOSPITALITY INDUSTRY 3.0
 Explores the impact of technology on the hospitality industry. Exposes students to the different software used in the industry including the property management systems, point-of-sale system, reservation, and accounting systems. The use of E-Commerce as a marketing tool will also be explored. Class project required.
Prerequisite: CMPT 109.

HOSP 440
SERVICE MANAGEMENT IN THE HOSPITALITY INDUSTRY 3.0
 Teach students all aspects of delivering hospitality service. It is customer driven with emphases on Total Quality Management, customer problem-solving skills, and outcome assessment. Class project required.
Prerequisite: HOSP 230.

HOSP 445
HOSPITALITY OPERATIONS MANAGEMENT II 3.0
 Deals with the daily operations of resorts and cruise management. Emphasis will be on the housing and food and beverage services that cater to the people away from home. It highlights the difference on managing a traditional hotel and explores features that are unique. It builds on the basic knowledge of hospitality operations. Class project is required.
Prerequisite: HOSP 410.

HOSP 450
INTERNATIONAL HOSPITALITY MANAGEMENT 3.0
 Introduction to the dimensions and nature of international hospitality operations. Create a sensitivity to and awareness of the differences in managing different cultures as well as present a global view of hospitality management. Topics covered include cultural dimensions of management, international marketing, and international human resource management. Class project required.
Prerequisites: HOSP 150 and PERL 124.

HOSP 460
HOSPITALITY INTERNSHIP II 3.0
 a second opportunity in a professional work experience for students before completing their degree. Students apply upper-level course work knowledge to a professional work setting. Students build on the first professional work experience in the areas of oral and written communication, critical thinking, global awareness, leadership, technology, self-directed learning, career readiness, decision-making, social responsibility and responsiveness.
Prerequisites: HOSP 290, HOSP 400, HOSP 405, HOSP 410, HOSP 415, HOSP 420.

HOSP 490
ENTREPRENEURSHIP IN THE HOSPITALITY INDUSTRY 3.0
 This upper-level course is designed to guide students in the development process of hotels and restaurants from concept to operations. Students engage in a project base-learning experience using and applying the knowledge and skills learned from foundation and major courses to go through the process of creating and opening a hospitality establishment.
Prerequisites: Senior standing, ACCT 202, HOSP 405, HOSP 420.

Physical Education Non-Major Courses

PEGN 200
BEGINNING SWIMMING 1.0
 This course is designed for beginning swimmers and those who are not comfortable in the water. The scope of the course will cover a wide variety of swimming strokes and survival techniques. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

PEGN 230
PERSONALIZED FITNESS 3.0
 An introductory course in personalized fitness covering theories and techniques of the physiological and psychological components of fitness. Designed for second careers students.

PEGN 251
AEROBIC ACTIVITIES 1.0
 This course will provide the student with an opportunity to recognize and develop cardiovascular conditioning, endurance and lifetime fitness skills. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

PEGN 257
WEIGHT TRAINING AND CONDITIONING 1.0
 A regimen of physical fitness (conditioning) exercises will be established for the individual student, and assistance will be rendered to help him or her in following this regimen in order to reach his or her maximum physical potential (muscle tone and endurance). Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

PEGN 258
BEGINNING TENNIS 1.0
 Fundamental skills of tennis, singles and doubles play. Appreciation of tennis as a leisure pursuit. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

PEGN 260
BEGINNING RIDING 1.0
 Techniques for the beginner. Taught at a riding academy. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

PEGN 262
VOLLEYBALL 1.0
 Basic skills, game strategy and rules of volleyball. Meets the Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

PEGN 265
FIGURE SKATING 1.0
 Figure skating for the novice taught at an off-campus skating rink. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education

PEGN 266
SKIING 1.0
 The student is provided with information pertaining to basic techniques, safety, etiquette, and equipment relevant to his level of skiing. Instruction will be given on the slope for five weeks along with additional information to be given on campus. An additional fee is required for lift tickets and rental equipment. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

PEGN 271
SOCIAL DANCE 1.0
 The course covers the traditional ballroom dances as well as current popular styles and routines. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

PEGN 272
BOWLING 1.0
 Adequately prepare and develop the student with a background of the necessary skills essential to performing and understanding the art of bowling. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

PEGN 274
SCUBA DIVING 1.0
 Scuba diving techniques and safety. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

PEGN 275
BEGINNING KARATE 1.0
 Skills and development of personal ability in performance of the activity. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

PEGN 278
YOGA 1.0
 Instruction will be given in how to perform yoga postures, plus the techniques of breathing, relaxation, awareness, and concentration, with their proper progression. The historical and psychological factors involved in the development of yoga, and its increasingly widespread appeal physically and philosophically will be dealt with. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

PEGN 279
CLIMBING AND REPELLING 1.0
 Based on Adventure Education principles of experiential learning. In learning to climb, students will acquire skills in: communication, problem solving, trust development, promoting self-esteem, decision making, and leadership. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)—Physical Education.

Physical Education Major Courses

PEMJ 110
AQUATICS 1.0
 For those with a minimum amount of aquatic knowledge and skill. Swimming strokes, water stunts and springboard diving. Organization for teaching groups and safety precautions.

PEMJ 113
MEN'S GYMNASTICS AND TUMBLING 2.0
 This course is designed to introduce methods and materials in gymnastics and tumbling for the major students. Emphasis will be placed on the organization of gymnastic movements for learning according to their similarities in difficulty and execution. The role of the teacher in facilitating skill development in gymnastics and tumbling also will be emphasized.

PEMJ 114
WOMEN'S GYMNASTICS AND TUMBLING I 2.0
 Developing skills on the apparatus; demonstrating an understanding of skills for elementary through high school. Safety measures related to equipment and spotting. Students perform progression for basic skills on all equipment.

PEMJ 117
AQUATICS AND OUTDOOR EDUCATION 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of aquatics and selected outdoor education skills.

PEMJ 131
FITNESS ACTIVITIES 2.0
 A comprehensive course to provide the student with knowledge needed for developmental programming of personalized fitness activities utilizing all modes of fitness training.

PEMJ 135
SPORTS MODULE I: FOOTBALL, BASKETBALL, TEAM HANDBALL 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of football, basketball and team handball.

PEMJ 136
SPORTS MODULE II: SOCCER, SPEEDBALL, VOLLEYBALL 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of soccer, speedball and volleyball.

PEMJ 137
SPORTS MODULE III: SOFTBALL, LACROSSE, AND HOCKEY 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of softball, lacrosse, and hockey.

PEMJ 138
SPORTS MODULE IV: TENNIS, BADMINTON, AND FENCING 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of tennis, badminton, and fencing.

PEMJ 139
SPORTS MODULE V: ARCHERY, GOLF, AND TRACK AND FIELD 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of archery, golf, and track and field.

PEMJ 143
SOCIAL DANCE 1.0
 The fundamental of social dance are presented to the student.

PEMJ 145
DANCE IN THE SCHOOLS 2.0
 This course provides an overview of the theory, instruction and performance in the fundamentals of folk, square, and social dance forms.

PEMJ 151
YOGA, RELAXATION AND STRESS REDUCTION 1.0
 Provides for the development of basic skills in the performance and teaching of hatha yoga and basic neuromuscular relaxation. Each student will be able to plan and implement stress reduction programs for individuals in a one-to-one counseling situation and teach sessions in a classroom format.

PEMJ 220
PHYSIOLOGY OF EXERCISE 3.0
 The physiological effects of physical activity upon the human organism. The reaction of exercises of speed, strength, and endurance upon the muscular and circula-respiratory system.
Prerequisites: BIOL 240 and 241.

PEMJ 221
KINESIOLOGY 3.0
 An overview of the integrated functioning of the skeletal, muscular and nervous systems and the biomechanical principles governing efficient movement, in order to effectively analyze the performance of motor skills.
Prerequisites: BIOL 240 and 241.

PEMJ 222
BASIC MOTOR LEARNING 3.0
 This course provides students with knowledge of the theoretical basis of human learning and performance in motor activity.
Prerequisites: BIOL 240 and 241.

PEMJ 226
COACHING PRINCIPLES AND PROBLEMS 3.0
 This course is designed to present an overview of the principles and problems pertaining to coaching on the high school and college levels.

PEMJ 227
SOCIAL PROBLEMS IN SPORTS 3.0
 Designed to analyze a number of important and controversial issues of sports in American society. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

PEMJ 231		
FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION	2.0	
This comprehensive course will allow the student in the adult fitness concentration the opportunity to practice field test assessment skills and procedures. Students will also be exposed to all aspects of equipment and instrumentation commonly found in the fitness industry.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 232		
EXERCISE LEADERSHIP	2.0	
this course provides an introduction to exercise leadership concepts covering theories and techniques of the physiological bases of strength training/conditioning and aerobic fitness activities.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 233		
LEADERSHIP IN AEROBICS PROGRAMMING	2.0	
Students will acquire skills in performing, demonstrating, and teaching aerobic activities.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 234		
LEADERSHIP IN ANAEROBIC PROGRAMMING AND CONDITIONING	2.0	
Students will acquire skills in performing, demonstrating, and teaching strength training and anaerobic conditioning.		
<i>Prerequisite: PEMJ 131.</i>		
PEMJ 235		
MOVEMENT EXPERIENCES IN THE ELEMENTARY SCHOOL	2.0	
A comprehensive activity course designed to present theory and practical application of movement experiences and non-sport activities in physical education in the elementary school.		
PEMJ 244		
PHYSICAL EDUCATION FIELD EXPERIENCE	1.0	
This course will provide an opportunity for physical education majors interested in teacher education to examine the nature and function of physical education programs in a public school setting.		
PEMJ 246		
FIELD EXPERIENCE IN ADULT FITNESS	1.0	
This course permits physical education majors interested in adult fitness an opportunity to observe and evaluate a variety of adult fitness programs.		
PEMJ 248		
TEACHING GYMNASTICS IN THE SCHOOLS	2.0	
Knowledge and understanding of the techniques of gymnastics in physical education programs within the school setting.		
<i>Prerequisite: PEMJ 113 or 114.</i>		
PEMJ 255		
PRACTICUM IN SELECTED PHYSICAL EDUCATION PROGRAMS	2.0	
This field based course affords students in the physical education teacher education program an opportunity to apply theoretical knowledge in a practical situation in schools or agencies in the area of coaching, individualized fitness or adapted physical education.		
PEMJ 303		
COACHING BASKETBALL	2.0	
The course is designed to provide students with an introduction to the art of coaching the game of basketball. Students have an opportunity to explore various contemporary styles and aspects of team play. Teaching, beginning with individual player development and progressing to team development, will be covered.		
PEMJ 308		
COACHING FOOTBALL	2.0	
Techniques and methods of coaching football with emphasis on team play; offensive and defensive methods for running, passing and kicking game. Complete organization of a football program is presented.		
PEMJ 340		
FITNESS AND THE AGING PROCESS	3.0	
The anatomic, physiologic and social changes experienced by the older adult as he/she ages. The students will learn the bases for selection of appropriate activities and techniques for communicating with this specialized population. Field experiences involving older adults in fitness settings will be included in this course.		
<i>Prerequisites: PEMJ 220.</i>		
PEMJ 351		
ADAPTED PHYSICAL EDUCATION	3.0	
This is a lecture and practicum course covering the introductory techniques for conducting a physical education program to meet the needs of the developmentally disabled. Each student is required to spend a minimum of 15 hours of laboratory experience in schools, agencies, and/or institutions.		
PEMJ 353		
PSYCHOLOGY OF SPORT	3.0	
Psychology related to physical activity on emotional, attitudinal and personality aspects, motivation, cultural and sociological problems of athletes, spectator response and deportment.		
PEMJ 357		
TEACHING OF PHYSICAL EDUCATION	4.0	
Methods of teaching and principles of learnings as they apply to growth, development and movement. Urban, inner city, suburban and rural situations and conditions related to learning facilities and equipment.		
<i>Prerequisites: Acceptance into Teacher Education.</i>		
PEMJ 375		
FOUNDATIONS AND PRACTICES IN CARDIOPULMONARY REHABILITATION	3.0	
Knowledge and skills related to cardiopulmonary rehabilitation which is necessary for working with post-cardiac individuals in the post-hospital continuing exercise program. Students will be expected to demonstrate a high level of competence in all aspects of the course. Field work required.		
<i>Prerequisites: PEMJ 220.</i>		
PEMJ 376		
SEMINAR IN FITNESS PROGRAMMING	2.0	
Specifically designed for the student in the adult fitness concentration to bring together a series of background topics into a seminar experience. The course will discuss practitioner roles, the establishment of criteria for the evaluation of fitness programs in a variety of settings, individual factors which influence participation adherence, and practical considerations which apply to fitness programming.		
PEMJ 380		
INTERNSHIP IN PHYSICAL EDUCATION	8.0	
The internship offers the student an opportunity to work as a trainee with professionals in organizations and/or agencies.		
<i>Prerequisites: Departmental approval.</i>		
PEMJ 381		
COOPERATIVE EDUCATION IN PHYSICAL EDUCATION	4.0-8.0	
Integrates academic study with supervised employment outside the formal classroom environment. The co-op term is a semester off-campus during which a student, while supervised by a department faculty coordinator is responsible for completing the terms of a predetermined learning contract. Available to students not completing the student-teacher sequence only.		
<i>Prerequisites: Departmental approval.</i>		
PEMJ 399		
INDEPENDENT STUDY IN PHYSICAL EDUCATION	1.0-6.0	
Provides an opportunity to pursue independent study in one of the specialized areas of physical education.		
<i>Prerequisite: Departmental approval.</i>		
PEMJ 444		
SEMINAR IN PHYSICAL EDUCATION	1.0	
This course permits physical education student teachers an opportunity to discuss and evaluate the experiences they have in a physical education setting while student teaching.		
<i>Prerequisite: CURR 410.</i>		
<i>Corequisite: CURR 411.</i>		
PEMJ 457		
TEACHING OF PHYSICAL EDUCATION	4.0	
This course provides an overview of methods of teaching Physical Education. Topics include curriculum content, effective teaching strategies, styles of teaching, preparation of unit and lesson plans, classroom management techniques, use of computers in instruction, describing and analyzing student and teacher behaviors, and strategies to improve student teaching.		
<i>Prerequisites: PEMJ 235, acceptance into Teacher Education program, and completion of two activity modules.</i>		
PEMJ 492		
SELECTED TOPICS IN PHYSICAL EDUCATION	1.0-3.0	
A theoretical and practical in-depth study in a current aspect of physical education. Topics will be determined prior to course offering and publicized.		

Recreation and Leisure Studies Courses

- PERL 123**
LEADERSHIP AND BUSINESS ETHICS IN THE TOURISM AND HOSPITALITY INDUSTRY 3.0
 Course discusses the characteristics of leaders in the business environment including types of leadership. It explores the many tough ethical questions faced by managers such as ethical strategies that build profits, productivity, and long-term profits.
- PERL 124**
INTRODUCTION TO RECREATION, TOURISM, HOSPITALITY AND LEISURE SERVICES 3.0
 An orientation course to the broad spectrum of services that are provided to society by recreation, tourism, hospitality and leisure services practitioners. Professional awareness and career opportunities are examined. Meets the University Writing Requirement for RPCM majors.
- PERL 208**
LEISURE AND RECREATION IN SOCIETY 3.0
 Analysis and interpretation of the concepts of leisure, its role in individual, community and national lifestyles, its social and economic significance. The role of recreation programs and services in meeting current and future needs of society. For non-recreation and leisure studies majors only. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.
- PERL 225**
PROGRAM PLANNING IN RECREATION AND LEISURE 3.0
 Theory, principles and practices of systematic program planning. Field observation and participation is required.
- PERL 228**
RECREATION AND HOSPITALITY FOR SPECIAL POPULATIONS 3.0
 Adaptation of recreation and leisure services for persons with special needs and limitations, role of institutions and community agencies, specialized leadership techniques, modification requirements for areas, facilities equipment, and supplies.
Prerequisite: PERL 225.
- PERL 235**
TOURISM AND HOSPITALITY MARKETING 3.0
 To provide the student with a working knowledge of the marketing process in the hospitality and tourism industry and the interrelationships between marketing environment, marketing decisions, marketing research, consumer behavior, product strategy, channels of distribution, promotional activity and pricing decisions.
- PERL 271**
CLINICAL EXPERIENCES IN THERAPEUTIC RECREATION 1.0
 Individualized student placements in clinical settings provide opportunity to gain firsthand knowledge of therapeutic recreation and prescriptive programing services. May be repeated for credit to a total of 3 semester hours.
- PERL 285**
FIELD EXPERIENCE IN RECREATION AND PARKS 2.0-4.0
 Supervised on-site laboratory experience in an approved recreation or leisure service area. Seminar meetings and individual conferences required.
Prerequisite: Department approval.
- PERL 311**
MEETING, EVENT, AND CONFERENCE MANAGEMENT 3.0
 An introductory course concerning the creating and managing of meetings and events in the leisure, events, and tourism industries. The importance of mission statements, goals, organizational skills, and program evaluation will be stressed. Class project required.
- PERL 312**
BUDGET AND FINANCE IN RECREATION AND TOURISM 3.0
 Study of the various sources and methods of financing, including exploration of the philosophy and mechanics of the budgetary process in recreation and park systems.
Prerequisite: PERL 225.
- PERL 322**
HISTORY AND PHILOSOPHY OF LEISURE, PLAY AND RECREATION 3.0
 A study and analysis of the philosophical concepts concerning leisure, play and recreation, including the historical milieu that supports past theories, current thoughts and practices, and the philosophical directions for the future of recreation and leisure services. Meets the University Writing Requirement for RPCM majors.
- PERL 334**
RESEARCH METHODS IN LEISURE STUDIES 4.0
 An introduction to the various techniques and methods used in research, the appropriate application of research methods, statistical methodology and other analytical tools for investigating problems in recreation and park professions.
Prerequisites: PERL 124 and PERL 225.
- PERL 340**
INTRODUCTION TO COMMERCIAL RECREATION AND TOURISM 3.0
 Analysis of the commercial recreation and tourism industries. Includes a study of participant profiles, types of commercial and resort enterprises, national tourism studies. Employment opportunities trends and issues. Field visits required.
Prerequisite: PERL 124.
- PERL 341**
INTRODUCTION TO THE HOSPITALITY INDUSTRY 3.0
 The scope and nature of the industry. An orientation to career opportunities and education for the hotel and hospitality industry.
Prerequisite: PERL 124.
- PERL 342**
DELIVERY OF RECREATION AND TOURISM SERVICES 3.0
 Methods and procedures for organizing and implementing commercial recreation and tourism enterprises. Includes an in-depth analysis of delivery systems, economic and marketing trends and promotion. A class research project is part of the course requirements. Field visits required.
Prerequisite: PERL 340.
- PERL 346**
TOURISM AND RECREATION PLANNING, DEVELOPMENT AND ANALYSIS 3.0
 Skills and techniques used in the planning, development, and analysis of tourism and commercial recreation facilities. Students will be required to complete a major research project.
Prerequisites: PERL 340 or PERL 360 and PERL 334.
- PERL 349**
SEASONAL SPORT RESORT MANAGEMENT 3.0
 A topical course in resort and selected sports management activities. Contents include management and marketing of lodging, retailing, rental, recreational programs, and other year round resort services. Additionally, the selection and operation of seasonal commercialized sports will be included. The course is only offered off-campus at a selected field site.
- PERL 350**
FACILITIES DESIGN AND MAINTENANCE IN THE TOURISM AND HOSPITALITY INDUSTRY 3.0
 This course examines the design, construction, and maintenance of hospitality and tourism facilities. Emphasis is placed on the importance of the master plan, construction choices, energy conservation and effective and efficient design principles.
- PERL 370**
INTRODUCTION TO THERAPEUTIC RECREATION 3.0
 An introduction to therapeutic recreation as a profession and service in clinical and community settings. The course includes an analysis of current issues and trends in the field, employment opportunities, and the concept of professionalism.
- PERL 372**
RECREATION AND REHABILITATION SERVICES 3.0
 Study of roles and interrelationships of professional personnel in the rehabilitation services in medical, correctional, and community settings. The team approach to rehabilitation services will be emphasized. Field visits required.
Prerequisite: PERL 228.
- PERL 377**
PROGRAMMING AND SUPERVISION IN THERAPEUTIC RECREATION 3.0
 This course includes assessment, planning and implementation of appropriate services and department programs and evaluation strategies. The course addresses basic program and personnel supervision of therapeutic recreation.
Prerequisites: BIOL 241 and PERL 228.
- PERL 381**
COOPERATIVE EDUCATION IN RECREATION AND PARKS 4.0-8.0
 Integration of academic study with supervised employment outside the formal classroom environment. The cooperative education experience is supervised by a faculty member and an agency/organization supervisor.
Prerequisites: Departmental approval.

PERL 390

INDEPENDENT STUDY IN RECREATION, PARKS AND
LEISURE

1.0-3.0

Independent study in area of student need and/or interest pertinent to recreation, parks and leisure. Interested students must present detailed written proposal to the department chairperson for approval and determination of credit allocation. Sophomore, junior, senior standing.

Prerequisite: Departmental approval.

PERL 430

MANAGEMENT OF RECREATION AND LEISURE SERVICES 4.0

Managerial techniques and methods pertaining to the delivery of recreation and leisure services. Topics include leadership and problem solving skills, organizational structure, personnel management and legal issues.

Prerequisites: PERL 225 and Recreation Professions majors only.

PERL 437

SENIOR SEMINAR 2.0

Examination and analysis of student preparation for field work and entry into the recreation and park profession. Formal application and placement of field work students.

Prerequisites: Recreation Professions majors only.

PERL 489

INTERNSHIP 12.0

Directed full-time professional supervisory experiences in an approved recreation, parks or leisure delivery system. Emphasis on individual development in program planning, conduct and evaluation, budget and finance, legal aspects, community and public relations. For Recreation and Leisure Studies majors only.

Prerequisites: Department approval.

HISTORY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Leslie Wilson

The study of history, an important part of a broad liberal education, helps to prepare students for careers in teaching, law, government service, politics, journalism and creative writing, library science, business research, and positions with local, state or national archives, museums and historical societies or restoration agencies. The department offers specialized study mainly in American, European and Asian history. History majors may adapt their programs to meet certification requirements for teaching social studies in New Jersey secondary schools. A minor in history is also offered.

History Major

Required Courses

	Semester Hours
HIST 100 The Study of History	3
HIST 117 History of the United States to 1876	3
HIST 118 History of the United States since 1876	3
European History (Select one sequence)	6
HIST 103 Foundations of Western Civilization	
HIST 105 Emergence of European Civilization, 1500-1914	
OR	
HIST 105 Emergence of European Civilization, 1500-1914	
HIST 106 Contemporary Europe, 1914 to the Present	
Non-Western/Latin American History	6
(One course from TWO of the following areas)	
Asia: China, India, Japan, Islamic	
Africa	
Latin America	
HIST 400 Senior Seminar in History	3

Electives

Select four history courses at the 200-400 level	12
HIST 204 The Second World War	3
HIST 212 Social History of the United States	3
HIST 213 Economic History of the United States	3
HIST 214 Diplomatic History of the United States	3
HIST 215 Women in American History	3
HIST 217 History of Black Americans	3
HIST 218 Political History of the United States	3
HIST 219 Sport in History	3
HIST 221 Europe's Conquest of the Americas, 1415-1763	3
HIST 222 Economic History of Europe	3
HIST 223 Communist Revolution in China	3
HIST 225 The Poles, Czechs, Slovaks and Hungarians since 1815	3
HIST 281 Greek Civilization	3
HIST 282 Roman Civilization	3
HIST 309 Feminist Ideas in Western Thought	3
HIST 310 Immigrants in American History	3
HIST 312 Historical Geography of the United States	3
HIST 313 Biography in American History	3
HIST 315 War in History	3
HIST 320 American Urban History since 1880	3
HIST 321 History of the American Worker since 1877	3
HIST 322 Medieval European Civilization 450-1350	3
HIST 323 History of Russia to 1917	3
HIST 324 Russia Since 1917	3
HIST 326 Modern German History	3
HIST 327 History of France since 1789	3
HIST 328 Conflict in Modern Ireland	3
HIST 329 History of England to 1714	3
HIST 330 Chinese Social History Through Literature	3
HIST 331 History of England 1714-1914	3
HIST 333 History of Brazil	3
HIST 334 Women in the Muslim World: A History of Representations	3
HIST 406 History of American Business	3
HIST 408 Independent Study European History	3
HIST 409 Independent Study Non-Western History	3

HIST 410 Independent Study in American history	3
HIST 411 Intellectual History of the United States	3
HIST 415 European Social History	3
HIST 416 Church and State in Latin America	3
HIST 419 Age of Renaissance 1350-1517	3
HIST 426 The Nazi Third Reich	3
HIST 427 The Holocaust, 1939-1945	3
HIST 430 Revolutions in Latin American History	3
HIST 431 Development of Indian Character and Culture	3
HIST 432 Development of Japanese Character and Culture	3
HIST 433 American Colonial History 1607-1763	3
HIST 434 American Revolution and Early Republic 1763-1828	3
HIST 435 The Union in Crisis, 1820-1877	3
HIST 436 America in the Gilded Age	3
HIST 437 American Society in the 20th Century	3
HIST 438 America in the Sixties: The Crisis of Consensus Liberalism	3
HIST 443 Internship in History	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

History Minor

Required Courses: (18 credits)

HIST 100 The Study of History	3
Concentration in American, European or Non-Western History (Same area as selected for <i>The Study of History</i>)	9
History electives (Not in the area of the concentration)	6

Courses of Instruction

HIST 100	3.0
THE STUDY OF HISTORY	
The course is designed to introduce students to the nature of history as a scholarly intellectual pursuit. It is built around student activities dealing with the materials and typical research procedures used by historians and the challenges of criticizing and writing history at the beginner's level. Meets the University Writing Requirement for HIED, HIST majors.	
HIST 103	3.0
FOUNDATIONS OF WESTERN CIVILIZATION	
Origins and development of Western civilization to about 1350: Egyptian, Judaic, Greek, Roman, Islamic and Medieval European contributions. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Social Science, American or European History.	
HIST 105	3.0
EMERGENCE OF EUROPEAN CIVILIZATION, 1500-1914	
The emergence of Europe as a distinctive world civilization. The development of ideas, institutions and technologies from medieval times to World War I. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Social Science, American or European History.	
HIST 106	3.0
CONTEMPORARY EUROPE, 1914 TO THE PRESENT	
European society in transition since World War I. The role of two world wars in shaping contemporary times. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Social Science, American or European History.	

- HIST 108**
INTRODUCTION TO AFRICAN CIVILIZATION 3.0
 Pre-Colonial African civilization and its eclipse under slavery and the Colonial onslaught. Principal social, political and cultural systems of the period. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 109**
INTRODUCTION TO ISLAMIC CIVILIZATION 3.0
 Examination of various institutions and value systems in Islam which characterize it as a major civilization. Important cultural developments as they are affected by the process of transition. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 110**
INTRODUCTION TO AMERICAN CIVILIZATION 3.0
 The mainstreams of development in American civilization. Political, intellectual, social, economic and cultural forces and achievements which have made the U.S. distinctive. Meets Gen Ed 2002–Social Science, American or European History. Meets the 1983 General Education Requirement (GER)–Social Science, American/European History.
- HIST 111**
CONTEMPORARY AMERICAN ISSUES IN HISTORICAL PERSPECTIVE 3.0
 Examines contemporary issues in American society in historical perspective. Topics will vary from semester to semester in the light of changing problems confronting our society. Meets the 1983 General Education Requirement (GER)–Social Science, American or European History.
- HIST 114**
EARLY LATIN AMERICAN CIVILIZATION 3.0
 The components of Latin American civilization. Considered are the geographical background and developments of the Mayan, Incan, and Aztec civilizations, the Spanish and Portuguese backgrounds and the wars of independence. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 115**
HISTORY OF PUERTO RICO 3.0
 The history and culture of Puerto Rico and interaction with Spain, Latin America and the United States. Meets the Multicultural Awareness Requirement.
- HIST 117**
HISTORY OF THE UNITED STATES TO 1876 3.0
 Issues and problems in the development of the American nation from discovery and exploration to the Civil War and Reconstruction. Meets Gen Ed 2002–Social Science, American or European History. Meets the 1983 General Education Requirement (GER)–Social Science, American or European History.
- HIST 118**
HISTORY OF THE UNITED STATES SINCE 1876 3.0
 Issues and problems in the development of the American nation from the Civil War to the present. Meets Gen Ed 2002–Social Science, American or European History. Meets the 1983 General Education Requirement (GER)–Social Science, American or European History.
- HIST 128**
PREMODERN JAPAN: A HISTORY OF JAPAN TO THE MEIJI RESTORATION 3.0
 This is an introductory survey course in Japanese history from earliest times to the Meiji (1868–1912). It is a first step in Japan studies designed to provide a broad, useful, working knowledge of key aspects of traditional Japan. Culture, politics, society and economy will be built into a chronological historical structure. Japan's uniqueness will be outlined against a background of greater East Asian and world interactions. This course will stand on its own, but will also serve as a useful background to understanding modern and contemporary Japan. The course also aspires to sensitizing students to the inherent value of East Asian culture as a part of human richness and diversity.
- HIST 129**
MODERN JAPAN: A HISTORY OF JAPAN FROM THE MEIJI THROUGH THE SHOWA 3.0
 This is an introductory survey course in Japanese history from the Meiji (1868–1912) through the Showa (1925–present). While it would be useful to study premodern Japan before taking this course, modern Japan does stand on its own. A review of traditional Japan will be followed by study of the dynamic interaction of Japan and the West during the 19th Century. Japan's expansionism, World War II and the postwar period will be important topics. Cultural, military, economic political, and social developments will be discussed in historical settings. Students will be encouraged to appreciate the unique dynamics of Japan's development as a modern nation state and to explore the likely progress of Japan into the 21st Century.
- HIST 131**
INTRODUCTION TO INDIAN CIVILIZATION 3.0
 The early history of India, 3000 B.C. to 1000 A.D. Principal religions, political and literary works, and their insights into Indian social values and institutions. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 132**
INTRODUCTION TO CHINESE CIVILIZATION 3.0
 The early history of China, 2000 B.C. to 1300 A.D. Principal social, political and metaphysical-philosophic works, corresponding values and institutions. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
- HIST 133**
MODERN CHINESE CIVILIZATION 3.0
 Modern China, 1600 to the present. Changes in values and mutual influence of East and West, studied through literary, philosophical, anthropological, historical and artistic works. Meets the Multicultural Awareness Requirement.
- HIST 141**
FOUNDATIONS OF GLOBAL CIVILIZATION 3.0
 The increasing interaction between world cultures and civilizations during A.D. 1500–1914. The central role of Europe in the development of the first global phase of world history to 1914. Cultural confrontation between West and non-West in the age of Modern Imperialism.
- HIST 204**
THE SECOND WORLD WAR 3.0
 A study of the origins and course of World War II in Europe, Asia and the Pacific.
- HIST 212**
SOCIAL HISTORY OF THE UNITED STATES 3.0
 Social and cultural aspects of American history: population movements, rural and urban problems, status of women, utopian ventures, mass media, recreation, human rights.
- HIST 215**
WOMEN IN AMERICAN HISTORY 3.0
 The changing role and status of women in American society from colonial times to the present. Meets the Multicultural Awareness Requirement.
- HIST 217**
HISTORY OF BLACK AMERICANS 3.0
 Role of Americans of African descent in the development of the United States. Contributions of Black Americans from initial discovery and exploration to mid-20th century. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- HIST 218**
POLITICAL HISTORY OF THE UNITED STATES 3.0
 The historical development of American political institutions from the early 1700's to the present. Focus upon the evolution of constitutional and legal structures, the party system and pressure groups, the role of bureaucracies and the impact of political leaders.

- HIST 219**
SPORT IN HISTORY 3.0
 This course takes a global approach to the history of sport, but focuses on the role of sport in American history. It examines sport in early world cultures, the development of sport as a mass spectator phenomenon in modern times, and the social significance of sport in the contemporary world.
- HIST 222**
ECONOMIC HISTORY OF EUROPE 3.0
 European economic development from the Middle Ages to the present. Emphasis on the first industrial revolution in Britain; comparing 19th century economic growth in Britain, France, Germany and Russia. Cross listed with Economics and Finance, ECON 222.
- HIST 223**
COMMUNIST REVOLUTION IN CHINA 3.0
 Ideological and historical significance studied against the background of domestic and international events, personalities and ideologies. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- HIST 281**
GREEK CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman Conquest as seen through literary, documentary, and archaeological sources. Cross listed with Classics and General Humanities, GNHU 281. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science American or European History.
- HIST 282**
ROMAN CIVILIZATION 3.0
 The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary and archaeological sources. Cross listed with Classics and General Humanities, GNHU 282. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History.
- HIST 309**
FEMINIST IDEAS IN WESTERN THOUGHT 3.0
 History of feminist ideas and theories about women and womanhood. Students examine important theoretical literature in Europe and America from 18th century to present. Original texts of Wollstonecroft, Fuller, Mill, and Freud will be considered against their socio-historic milieu.
- HIST 310**
IMMIGRANT IN AMERICAN HISTORY 3.0
 The processes by which the immigrant was incorporated into American society. Includes the cultural backgrounds from which the different groups came; the reasons for emigration; the nature of the communities they created once they reached the United States; their religious and social institutions; the problems of maintaining ethnic culture with the pressure to Americanize.
- HIST 312**
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
 The slow pace of settlement of the eastern seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1809. Cross listed with Earth and Environmental Studies, EUGS 312.
- HIST 313**
BIOGRAPHY IN AMERICAN HISTORY 3.0
 The significant biographical materials available in the study of American history; the problems and uses of biography.
- HIST 315**
WAR IN HISTORY 3.0
 Examines selected wars in the history of the world in an attempt to learn about causes and consequences of war. Considers attempts to prevent war in the past, and proposed methods for preventing war in the future.
- HIST 320**
AMERICAN URBAN HISTORY SINCE 1880 3.0
 Transformation of the 19th century industrial city into the 20th century metropolis; the emergence of the New York metropolitan region.
- HIST 322**
MEDIEVAL EUROPEAN CIVILIZATION 450-1350 3.0
 Origins, development, and significance of a civilization whose political, social and cultural foundations had a spiritual basis and unity.
- HIST 323**
HISTORY OF RUSSIA TO 1917 3.0
 Factors shaping the Russian people: Byzantium and Greek Orthodox faith, Tartar state organization, the Mir, Westernization from Peter to Lenin, intellectual and radical movements.
- HIST 324**
RUSSIA SINCE 1917 3.0
 Political, social, economic and intellectual developments in the Soviet Union; the relationship of ideology and national goals.
- HIST 326**
MODERN GERMAN HISTORY 3.0
 German society, culture and politics from 1789 to the present. The formation of a unified state in the nineteenth century. The effects of World War I and of National Socialism. The division of Germany after World War II and the reunification of the country in 1989-1990.
- HIST 328**
CONFLICT IN MODERN IRELAND 3.0
 A history of Irish nationalism with emphasis on the period from 1782 to the present.
- HIST 329**
HISTORY OF ENGLAND TO 1714 3.0
 Emphasis on political and constitutional history, the formation of basic institutions of law and government and related economic, social and cultural factors.
- HIST 330**
CHINESE SOCIAL HISTORY THROUGH LITERATURE 3.0
 Masterpieces of the Chinese literary tradition from earliest times to the 20th century. Literary genre in historical perspective and as expression of social and cultural values.
- HIST 331**
HISTORY OF ENGLAND 1714-1914 3.0
 Political, social and economic history from the Hanoverian succession to the 20th century: Industrial Revolution, changing balance of the Constitution, British Imperialism, the Irish question.
- HIST 332**
SELECTED TOPICS IN ANCIENT HISTORY (GREECE, ROME, WESTERN ASIA, NORTH AFRICA, EUROPE) 3.0
 Courses offered under this selected topics rubric examine specific periods and issue concerning Mediterranean, Western Asian, and European political, cultural, social and economic history from the Bronze Age to the late Antique. May be repeated twice for a total of nine credits. Cross listed with Classics and General Humanities, GNHU 332.
- HIST 333**
HISTORY OF BRAZIL 3.0
 Traces the historical development from the pre-historical Indian cultures to the 1970's; covers the social, cultural, political, economic and religious aspects of the largest Latin-American nation.
- HIST 334**
WOMEN IN THE MUSLIM WORLD: A HISTORY OF REPRESENTATIONS 3.0
 A survey of writings by and about Muslim women examined historiographically. We examine conventional wisdom about Muslim women through the ages, and how this "wisdom" was constructed: Who wrote about Muslim women? When? How? What purposes have these writings served at different times and places since the inception of Islam and during the course of its 1,500 year history.
- HIST 400**
SENIOR SEMINAR IN HISTORY 3.0
 Directed research and preparation of seminar reports and written paper on special topics in the main fields of history. Required for senior history majors. *Prerequisite: HIST 100.*

- HIST 408
INDEPENDENT STUDY EUROPEAN HISTORY 3.0
To provide opportunity for students, mainly history majors, to do independent work in the field of European history.
- HIST 409
INDEPENDENT STUDY NON-WESTERN HISTORY 3.0
To provide opportunity for students, mainly in history or transcultural studies, to do independent work in the field of non-Western history.
- HIST 410
INDEPENDENT STUDY IN AMERICAN HISTORY 3.0
To provide an opportunity to do independent work in the field.
- HIST 411
INTELLECTUAL HISTORY OF THE UNITED STATES 3.0
Development and contributions of the thought of individuals and groups, dominant and minority, and their effect on the American mind, traditions and practices.
- HIST 416
CHURCH AND STATE IN LATIN AMERICA 3.0
The Roman Catholic Church as the major spiritual institution as well as a cultural, moral, political and economic force in Latin America.
- HIST 419
AGE OF RENAISSANCE, 1350-1517 3.0
Political, economic, social and broad cultural developments in Italy and Western Europe during 1350-1517.
- HIST 426
THE NAZI THIRD REICH 3.0
Major economic, social, political and intellectual developments in 20th century Germany; demise of Weimar Republic and ascension of Nazi Third Reich.
- HIST 427
THE HOLOCAUST, 1939-1945 3.0
The history of the Holocaust and an overview of its representations in the academic historiography as well as in literary and autobiographical texts.
- HIST 430
REVOLUTIONS IN LATIN AMERICAN HISTORY 3.0
Examines and compares the causes, course and consequences of three major social revolutions in Latin America: Mexico (1910), Bolivia (1952), Cuba (1959).
- HIST 431
DEVELOPMENT OF INDIAN CHARACTER AND CULTURE 3.0
The historical conditioning of Indian behavior. Culture change in the perspective of colonialism and modernization; contributions of religion to social and political values and modern literature. Cross listed with Anthropology, ANTH 431. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- HIST 432
DEVELOPMENT OF JAPANESE CHARACTER AND CULTURE 3.0
The historical conditioning of Japanese behavior. Cultural change in the perspective of traditional periodization of Japanese history. Contributions of religion and philosophy in defining social values. Cross listed with Anthropology, ANTH 432. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.
- HIST 433
AMERICAN COLONIAL HISTORY, 1607-1763 3.0
Developments within the English colonies, interactions between England and the colonists, growth of a distinctive American society.
- HIST 434
AMERICAN REVOLUTION AND EARLY REPUBLIC, 1763-1828 3.0
Analysis of events leading to the war for independence; political, economic and foreign problems of the new nation; the growth of nationalism.
- HIST 435
THE UNION IN CRISIS, 1820-1877 3.0
Significant events and developments of the period: Jacksonian democracy, westward expansion and sectionalism, the Civil War and Reconstruction.
- HIST 436
AMERICA IN THE GILDED AGE 3.0
The forces which contributed to the development of modern, industrialized America; American society and its reaction to changes of the period.
- HIST 437
AMERICAN SOCIETY IN THE 20TH CENTURY 3.0
The continuing reactions to the problems of an industrialized America. The New Deal and recent Supreme Court decisions.
- HIST 438
AMERICA IN THE SIXTIES: THE CRISIS OF CONSENSUS
LIBERALISM 3.0
Analyzes the crisis of American liberalism as that ideology was beset by the consequences of postwar affluence and the growing radicalism during the Kennedy-Johnson administration; and the backlash that developed into the Nixon "New Majority".
- HIST 443
INTERNSHIP IN HISTORY 3.0
Opportunity for the advanced student to acquire practical experience working directly with primary sources of history in state and local depositories of historical materials.
- HIST 499
SELECTED TOPICS 1.0-3.0
Study in a specific historical period, problem or theme. Particular course offerings will vary. Students may repeat course for up to nine credits as long as individual topic is different. Consult current schedule of courses for semester offering.
- SOSC 401
METHODS OF TEACHING SOCIAL STUDIES 3.0
Presents recent trends in educational method in teaching the social studies. A program is presented containing the correlation of subject matter organization in socialized recitation, the teaching of current events, projects in citizenship, and the use of the project-problem as a method of teaching history and civics.

HUMAN ECOLOGY

COLLEGE OF EDUCATION AND HUMAN SERVICES

Chairperson: Elaine Flint

Human Ecology is concerned with the study of individuals and families, their environments, needs, problems and futures. The department offers eleven concentrations which synthesize, interrelate, and integrate knowledge from other disciplines toward understanding and finding solutions to concerns of individuals and families.

A Bachelor of Science degree in Human Ecology is offered with concentrations in Nutrition and Food Science-General, Nutrition and Food Science-Dietetics, and Food Management; the Bachelor of Arts degree in Human Ecology is offered in Consumer Affairs, Family and Child Studies-Child Life Specialist, Family and Child Studies-Early and Middle Childhood, Family and Child Studies-Early Childhood, Family and Child Studies-Family Services, Family and Child Studies-Gerontology, Fashion Studies, and Home Economics Education. Students may prepare to teach, work with businesses, agencies, government programs, other institutions and/or pursue graduate study. Many courses are open as electives for those majoring in other fields of study.

Montclair State's Human Ecology unit is accredited by the Council for Professional Development of the American Association of Family and Consumer Sciences. The didactic program in dietetics is approved by the American Dietetics Association.

Human Ecology Major

	Semester Hours
Required Courses (All Concentrations)	6
HEMG 270 Individual Management: Theories and Strategies	3
HECO 304 Introduction to Research	3

Concentrations Within the Major

Consumer Affairs Concentration

	Semester Hours
Required Consumer Affairs Core	32
HENU 182 Nutrition	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEMG 231 Family in the Economic System	3
HEMG 331 Money Management	3
HEMG 335 Consumers in the Market	3
HEMG 435 Consumer Action	3
HEFM 445 The Inner City Family	3
HECO 400 Senior Seminar: The Profession of Home Economics	3
HECO 409 Internship	8
OR	
COED 401 Cooperative Education Experience I	8
(or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement.) Students in the Paralegal Studies minor may substitute LSPR 498 as partial fulfillment with permission of advisor. All students must meet the 8 credit requirement.	

Consumer Affairs Emphasis

18-25
Student are required to complete one of the following areas. Students who are completing minor programs must declare minor and seek advisement from the department that houses the minor before starting the minor sequence.

Paralegal Studies Minor	24-25
Pre-Law Studies Minor	24
Health Studies Minor	18
Consumer Emphasis	18
Food and Nutrition Emphasis	18

Consumer Affairs Collateral Courses

ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3
MKTG 240 Introduction to Marketing	3
PHIL 210 Ethics	3
PSYC 101 General Psychology I: Growth and Development	3

Family and Child Studies-Child Life Specialist Concentration (70 semester hours)

	Semester Hours
Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Required Courses

HEFM 215 Infant Development	37
OR	
PSYC 320 Developmental Psychology I	3
HEFM 320 Parenting Skills and Resources	3
OR	
HEFM 418 Strategies for Working with Parents	3
ECEL 319 Language and Literature for Young Children	3
ECEL 416 Arts and Creative Expression in Early Childhood	3
HLTH 105 Medical Terminology	3
PSYC 235 Psychology of Exceptional Children and Youth	3
SOCI 211 Sociology of Health and Illness	3
OR	
PSYC 302 Health Psychology	3
RELG 218 Death, Dying and After Life	3
COED 401 Cooperative Education I	4
(or a combination of COED 401 and COED 402 or HECO 409 Internship to reach an eight (8) credit limit)	

Select 1 course from the following:

COUN 331 Group Dynamics	3
COUN 413 Introduction to Neurolinguistic Programming and Ericksonian Techniques	3
SOCI 337 Methods and Techniques in the Helping Professions	3
PSYC 366 Health Psychology: Applications to the Community	3
PSYC 402 Systems of Psychotherapy	3

Select 2 courses from the following:

BIOL 240 Mammalian Anatomy and Physiology I	3
BIOL 241 Mammalian Anatomy and Physiology II	3
HLTH 307 The Study of Human Diseases	3
HLTH 430 Health Counseling	3
HLTH 455 Core Concepts in the Delivery of Health Care	3
HLTH 460 Systems of Health Services Delivery	3
PSYC 305 Physiological Psychology	3

Family and Child Studies-Early and Middle Childhood Concentration (for elementary K-8 Certification) (70-73 semester hours)

	Semester Hours
Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Required Family and Child Studies-Early and Middle Childhood Core

HEFM 418 Strategies for Working with Parents	3
--	---

Elementary Teacher Education Sequence

(for K-8 Certification):

CURR 200 Initial Field Experience	1
EDFD 220 Philosophical Orientation to Education	3
ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy	3

ECEL	408	Social Studies and the Arts in Elementary Classrooms	3
ECEL	427	Explorations: Science, Math, and Technology in the Elementary Classroom	3
READ	400	Initial Inquiry into Literacy Development	3
READ	408	Reading: The Content Areas	3
—	—	Physiology and Hygiene Requirement	0-3

Clinical Experiences (the semester prior to student teaching)

ECEL	410	Clinical Experience I: Inclusive Elementary Classrooms	2
ECEL	412	Seminar I: Inclusive Elementary Classrooms	1

Clinical Experiences/Professional Semester (student teaching semester)

ECEL	414	Clinical Experience II: Inclusive Elementary Classrooms	8
ECEL	421	Seminar II: Inclusive Elementary Classrooms	1
ECEL	422	Integrating Elementary Curriculum and Assessment for Equity and Diversity	3

Family and Child Studies—Early Childhood Concentration (for P-3 Certification) (76-79 semester hours)

Semester Hours

Required Family and Child Studies Core			
HEFM	141	Interpersonal Relations	3
HEFM	214	Child Development I	3
HEFM	248	Individual and Family Development Over the Life Span	3
HEFM	314	Child Development II	3
HEFM	315	Field Experiences in Family and Child Services	3
HEMG	331	Money Management	3
HEFM	445	The Inner City Family	3
HEFM	448	Family Counseling	3
PSYC	101	General Psychology I: Growth and Development	3

Required Family and Child Studies—Early Childhood Core

HEFM	418	Strategies for Working with Parents	3
------	-----	---	---

Early Childhood Teacher Education Sequence (for P-3 Certification):

40-43

CURR	200	Initial Field Experience	1
ECEL	200	Perspectives on Early Childhood and Elementary Education in a Democracy	3
ECEL	319	Language and Literature for Young Children OR	3
READ	410	Children's Literature for a Multicultural Society	3
ECEL	416	Arts and Creative Expression in Early Childhood	3
ECEL	417	Problem Solving in Science, Math, and Technology in Early Childhood Classrooms	3
EDFD	220	Philosophical Orientation to Education	3
PSYC	235	Psychology of Exceptional Children and Youth	3
READ	400	Initial Inquiry into Literacy Development	3
—	—	Physiology and Hygiene Requirement	0-3

Clinical Experiences (the semester prior to student teaching)

ECEL	411	Clinical Experience I: Inclusive Early Childhood Classrooms	2
ECEL	413	Seminar I: Inclusive Early Childhood Classrooms	1
ECEL	420	Building Programs and Community in Inclusive Early Childhood Classrooms	3

Clinical Experiences/Professional Semester (student teaching semester)

ECEL	415	Clinical Experience II: Inclusive Early Childhood Classrooms	8
ECEL	419	Seminar II: Inclusive Early Childhood Classrooms	1
ECEL	435	Content Integration and Assessment in Inclusive Early Childhood Classrooms	3

Family and Child Studies—Family Services Concentration (62 semester hours)

Semester Hours

Required Family and Child Studies Core			
HEFM	141	Interpersonal Relations	3
HEFM	214	Child Development I	3
HEFM	248	Individual and Family Development Over the Life Span	3
HEFM	314	Child Development II	3
HEFM	315	Field Experiences in Family and Child Services	3
HEMG	331	Money Management	3
HEFM	445	The Inner City Family	3
HEFM	448	Family Counseling	3
PSYC	101	General Psychology I: Growth and Development	3

Required Family Services Courses

HEFM	320	Parenting Skills and Resources OR	23
HEFM	418	Strategies for Working with Parents	3
HEFM	344	Challenge of Aging	3
COUN	331	Group Dynamics	3
HLTH	220	Mental Health	3
PHIL	210	Ethics	3
COED	401	Cooperative Education Experience I	8
(and/or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)			

Choose one of the following areas of emphasis

(A, B, or C):

A. Gerontology

Select two courses from the following:

ANTH	350	Anthropology of Aging and the Aged OR	6
SOCI	219	Sociology of Aging	3
HLTH	440	Health Aspects of Aging	3
HLTH	445	Perspectives on Death and Dying OR	3
RELG	218	Death, Dying and After Life	3
LSPR	322	Wills, Trusts, and Probate Law	3
PSYC	268	Psychological Aspects of Aging	3

B. Contemporary Issues

Select 2 courses from the following:

COUN	450	Introduction to Alcohol/Drug Counseling OR	3
COUN	454	Community Resources in Alcoholism and Substance Abuse Counseling	3
HLTH	213	Perspectives on Drugs	3
HLTH	290	Human Sexuality OR	3
PSYC	227	Psychological Aspects of Human Sexuality	3
LSPR	305	Immigration Law	3
PHIL	204	Philosophical Issues in Biomedical Ethics	3
PSYC	235	Psychology of Exceptional Children and Youth	3
PSYC	231	Psychology of Aggression	3
—	—	OR	3
SOCI	101	Criminology	3
—	—	OR	3
SOCI	230	Sociology of Conflict and Violence	3
SOCI	211	Sociology of Health and Illness	3
SOCI	322	Juvenile Delinquency and Juvenile Justice	3

C. Public Policy

Select 2 courses from the following:

COUN	481	Legal Rights of Women OR	3
LSLW	391	Women and the Law	3
LSLW	315	The Mediation Process and Its Application	3
LSPR	330	Family Law	3
POLS	324	American Public Policy	3
PSYC	224	Children's Rights and Child Advocacy OR	3
PSYC	430	Contemporary Issues in Child Advocacy	3

Family and Child Studies- Gerontology Concentration (62 semester hours)

Semester Hours

Required Family and Child Studies Core	27
HEFM 141 Interpersonal Relations	3
HEFM 214 Child Development I	3
HEFM 248 Individual and Family Development Over the Life Span	3
HEFM 314 Child Development II	3
HEFM 315 Field Experiences in Family and Child Services	3
HEMG 331 Money Management	3
HEFM 445 The Inner City Family	3
HEFM 448 Family Counseling	3
PSYC 101 General Psychology I: Growth and Development	3

Gerontology Concentration (Interdisciplinary)..... 29

HEFM 344 Challenge of Aging (Service-Learning section)	3
COED 401 Cooperative Education Experience I	4
BIOL 243 Human Anatomy and Physiology	4

Select one of the following:

PSYC 268 Psychological Aspects of Aging	3
PSYC 302 Health Psychology (Service-Learning section)	3

Select one of the following:

HLTH 440 Health Aspects of Aging (Service-Learning section)	3
PEMJ 340 Fitness and the Aging Process	3

Select one of the following:

PHIL 210 Ethics	3
PHIL 204 Philosophical Issues in Biomedical Ethics	3

Select one of the following:

HLTH 445 Perspectives on Death	3
RELG 218 Death, Dying and After Life	3

Select 6 semester hours from the following:

ANTH 350 Anthropology of Aging and the Aged (Service-Learning section)	3
ENID 398 Autobiography	3
LSPR 322 Wills, Trusts, and Probate Law	3
MUTH 100 Introduction to Music Therapy	2
PERL 271 Clinical Experience in Therapeutic Recreation	1
SOCI 219 Sociology of Aging (Service-Learning section)	3

Fashion Studies Concentration (79 semester hours)

Semester Hours

Required Courses	30
HETX 122 Clothing and Culture: A Multidisciplinary Study	3
HETX 220 Textile and Apparel Industry	3
HETX 298 Textiles I: Introduction	3
HETX 320 Historical Analysis of Costume	3
HETX 325 The Marketing of Fashion	3
HEMG 435 Consumer Action	3
HENU 192 Nutrition with Laboratory	4
HECO 409 Internship	8
OR (with permission of advisor)	
COED 401 Cooperative Education - Experience I	8

Collateral Courses

_____ Studio Art course (ARCE 200, ARDW 200, ARPA 200, ARPH 200, or ARSC 200)	3
--	---

ARHS 105 Art in Western Civilization: Ancient to Medieval OR	
---	--

ARHS 106 Art in Western Civilization: Renaissance to Modern	3
CHEM 100 Introductory Chemistry	4
CMPT 109 Introduction to Computer Applications	3
ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MATH 109 Statistics	3
MGMT 231 Management Processes	3
MKTG 240 Introduction to Marketing	3

Select 5 courses from the following (15 semester hours):

ANTH 100 Cultural Anthropology	3
ARFD 100 Design/Foundations of Visual Organization I, 2D	3
ARDW 201 Life Drawing, Beginning I	3
ARFD 260 Color Studies I	3
ARFI 200 Fibers and Fabrics, Beginning I	3
ARFI 201 Textile Design, Introduction	3
ARIL 320 Illustration, Intermediate	3

SPCM 172 Principles of Human Communication	3
SPCM 201 Communication Theory	3
SPCM 222 Principles of Public Relations	3
SPCM 234 Public Speaking	3
SPCM 322 Public Relations Writing	3
HECO 400 Senior Seminar: The Profession of Home Economics	3
HEDN 265 Interior Design	3
HEFM 248 Individual and Family Development over the Life Span	3
HETX 120 Introduction to Apparel Design	3
HETX 398 Textiles II: Production and Performance	3
HETX 426 Apparel Design: Flat Pattern	3
MGMT 316 Human Resource Management	3
MKTG 307 Retail Store Marketing and Management	3
MKTG 309 Buying and Distribution Strategies	3
MKTG 344 Advertising Theory and Techniques	3
MKTG 346 Introduction to International Business	3
MKTG 347 Export/Import Marketing Process	3
MKTG 489 Internet Marketing	3
PHYS 443 Computer-Aided Drafting: An Introduction	3
PSYC 101 General Psychology I: Growth and Development	3
THTR 100 Introduction to the Theatrical Medium	3
THTR 370 Costume Construction I	3
THTR 372 Costume Design I	3

Nutrition and Food Science-General Concentration

Semester Hours

Required Nutrition and Food Science Core

HENU 130 Introduction to Nutrition and Food Science Profession	1
HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Dynamics of Food and Society	3
HENU 182 Nutrition	3
HENU 282 Applied Nutrition in the Life Cycle	4
HENU 490 Nutrition and Food Sciences Professional Seminar	1

Required Nutrition and Food Science - General Courses

HEFD 252 Quantity Food Purchasing and Production Laboratory	2
HEFD 253 Quantity Food Purchasing and Production	3
HENU 255 Meal Design and Management	3
HENU 357 Experimental Food Science	3
HEED 412 Nutrition Education Techniques	3
Choose 13 credits from the following:	
COED 401 Cooperative Education Experience I	4
_____ 300 and 400 level Nutrition and Food Science (HENU) and Food Management courses (HEFD)	

Collateral Courses

BIOL 254 Applied Microbiology	3
CHEM 109 College Chemistry Laboratory I	1
CHEM 111 Elements of Chemistry I	3
CHEM 130 Fundamentals of Organic Chemistry	4
CMPT 109 Introduction to Computer Applications	3
ECON 101 Principles of Economics: Macro OR	
ECON 102 Principles of Economics: Micro	3
ENWR 210 News Reporting	3
MGMT 231 Management Processes	3

Nutrition and Food Science-Dietetics Concentration*

Semester Hours

Required Nutrition and Food Science Core

HENU 130 Introduction to Nutrition and Food Science Profession	1
HENU 150 Food Composition and Scientific Preparation	3
HENU 153 Dynamics of Food and Society	3
HENU 182 Nutrition	3
HENU 282 Applied Nutrition in the Life Cycle	4
HENU 490 Nutrition and Food Sciences Professional Seminar	1

Required Nutrition and Food Science - Dietetics Courses

HEFD 252 Quantity Food Purchasing and Production Laboratory	2
HEFD 253 Quantity Food Purchasing and Production	3

HENU 255	Meal Design and Management	3
HEFD 352	Organization and Management of Foodservice Systems	3
HENU 357	Experimental Food Science	3
HENU 382	Advanced Nutrition	4
HEED 412	Nutrition Education Techniques	3
HENU 482	Nutrition Counseling	3
HENU 488	Medical Nutrition Therapy	4

Collateral Courses 35

BIOL 243	Human Anatomy and Physiology	4
BIOL 254	Applied Microbiology	3
ECON 101	Principles of Economics: Macro	
OR		
ECON 102	Principles of Economics: Micro	3
CHEM 109	College Chemistry Laboratory I	1
CHEM 111	Elements of Chemistry	3
CHEM 130	Fundamentals of Organic Chemistry	4
CHEM 270	Fundamentals of Biochemistry	5
CMPT 109	Introduction to Computer Applications	3
MATH 109	Statistics	3
MGMT 231	Management Processes	3
PSYC 101	General Psychology I: Growth and Development	3

* This didactic program in dietetics is approved by the American Dietetics Association. Careful advisement is recommended so that requirements of the American Dietetics Association might be met.

Food Management Concentration

Required Courses	Semester Hours	15
HENU 130	Introduction to Nutrition and Food Science Profession	1
HENU 150	Food Composition and Scientific Preparation	3
HENU 153	Dynamics of Food and Society	3
HENU 182	Nutrition	3
HENU 282	Applied Nutrition in the Life Cycle	4
HENU 490	Nutrition and Food Sciences Professional Seminar	1

Required Food Management Core 26

HEFD 240	Sanitation Management and Food Microbiology: Certification	1
HEFD 252	Quantity Food Purchasing and Production Laboratory	2
HEFD 253	Quantity Food Purchasing and Production	3
HEFD 254	Foodservice Equipment and Facilities Design	3
HEFD 352	Organization and Management of Foodservice Systems	3
HEFD 353	Specialized Food Production	3
HECO 409	Internship	
OR		
COED 401	Cooperative Education Experience I	8
(and/or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)		

Select 3 credits from the following courses:

HENU 255	Meal Design and Management	3
MKTG 341	Consumer Behavior	3
MKTG 307	Retail Store Marketing and Management	3
MGMT 316	Human Resource Management	3

Collateral Courses 28

ACCT 201	Fundamentals of Accounting I	3
BIOL 110	The Biology of Human Life	4
BSLW 264	Legal, Ethical and Global Environment of Business	3
CHEM 107	College Chemistry I	2
CHEM 130	Fundamentals of Organic Chemistry	4
CMPT 109	Introduction to Computer Applications	3
ECON 101	Principles of Economics: Macro	3
MGMT 231	Management Processes	3
MKTG 240	Introduction to Marketing	3

Home Economics Education Concentration

Required Courses and Collateral	Semester Hours	42
HETX 120	Introduction to Apparel Design	3
HETX 122	Clothing and Culture: A Multidisciplinary Study	3
HEFM 141	Interpersonal Relations	3
HENU 150	Food Composition and Scientific Preparation	3

HEDN 160	Equipment in the Home	3
HENU 182	Nutrition	3
HEFM 214	Child Development I	3
HEFM 248	Individual and Family Development Over the Life Span	3
HENU 255	Meal Design and Management	3
HEDN 260	Housing and Society	3
HETX 298	Textiles I: Introduction	3
HECO 400	Senior Seminar: The Profession of Home Economics	3
HEMG 435	Consumer Action	3
HEFM 445	Inner City Family	3
HEMG 470	Family Management	3
HE___	Human Ecology Elective	3
ECON 101	Principles of Economics: Macro	3

Home Economics Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog under Teacher Education Program. In addition, the courses HEED 201 Introduction to Home Economics Education and HEED 309 Teaching of Home Economics must be taken.

Consumer Affairs Minor

ECON 101	Principles of Economics: Macro	
OR		
ECON 102	Principles of Economics: Micro	3
HEMG 231	The Family in the Economic System	3
HEMG 331	Money Management	3
HEMG 335	Consumers in the Market	3
HEMG 435	Consumer Action	3
HECO 304	Introduction to Research	3

Nutrition and Food Science Minor

Required Courses	7
HENU 130 Introduction to Nutrition and Food Science Profession	1
HENU 150 Food Composition and Scientific Preparation	3
HENU 182 Nutrition	3

Elective Courses 12

Select 12 additional semester hours of HENU and HEFD courses or
HEED 412 Nutrition Education Techniques

At least 3 semester hours must be 300-400 level coursework

Courses of Instruction

HECO 304	INTRODUCTION TO RESEARCH	3.0
Provides awareness of the contributions of research to the advancement of human welfare. Developing skills for intelligent pursuit and consumption of research. Not open to freshmen.		
<i>Prerequisite: Sophomore standing.</i>		

HECO 308	INDEPENDENT STUDY	1.0-3.0
Advanced areas of Home Economics not offered in the regular curriculum.		
<i>Prerequisite: Departmental approval.</i>		

HECO 400	SENIOR SEMINAR: THE PROFESSION OF HOME ECONOMICS	3.0
A capstone course which explores the integrative nature of the profession of Home Economics and investigates the roles, conflicts and decision-making perspectives for beginning professionals.		
<i>Prerequisites: HEFM 248 and HEMG 270 and HENU 182; senior standing; Human Ecology majors only.</i>		

HECO 408	WORKSHOP IN HOME ECONOMICS	1.0-3.0
Opportunity to study selected current problems in the field of home economics.		

HECO 409		
INTERNSHIP	8.0 OR 12.0	
Opportunity to work as an intern in a professional setting in business, a community agency or a service organization. Application available in the Human Ecology Department. This course is offered as Pass/Fail only.		
<i>Prerequisite: Senior standing; Human Ecology majors only.</i>		
HECO 491		
DEPARTMENTAL SEMINAR IN STUDENT TEACHING	1.0	
An opportunity for students who are engaged in student teaching in Home Economics and Early Childhood Education to share and discuss their ongoing experiences. Analysis of specific situations encountered will be undertaken. Individual problems will be explored. Emphasis will be on becoming a student of the teaching process, as well as on the performance of a student teacher.		
<i>Corequisite: Must be taken concurrently with CURR 411.</i>		
HEDN 160		
EQUIPMENT IN THE HOME	3.0	
Principles and resources involved in the selection, use and care of equipment in the home.		
HEDN 265		
INTERIOR DESIGN	3.0	
Selection, organization and evaluation of furnishing for the residential environment. Principles and elements of design studied in relation to interior residential space.		
HEED 309		
TEACHING OF HOME ECONOMICS	3.0	
Curriculum development; materials and teaching strategies appropriate to home economics. To be taken semester prior to student teaching.		
<i>Corequisite: CURR 410 Intermediate Field Experience in Education</i>		
HEED 412		
NUTRITION EDUCATION TECHNIQUES	3.0	
Procedures and techniques for developing programs and teaching nutrition to a variety of target populations. Individual and group methods emphasize innovation. Field studies		
<i>Prerequisite: HENU 182 and HENU 282.</i>		
HEFD 240		
SANITATION MANAGEMENT AND FOOD MICROBIOLOGY: CERTIFICATION	1.0	
Food safety for effective food service management. Understanding of sanitation risk management, microbial food contaminants, and food safety regulations. Students will be entitled to take the "ServSafe Food Protection Manager Certification" examination.		
HEFD 252		
QUANTITY FOOD PURCHASING AND PRODUCTION LABORATORY	2.0	
Laboratory experiences to support basic concepts of quantity food purchasing and production. Laboratory assignments off-campus in functioning foodservice facilities. To be taken concurrently with HEFD 253 Quantity Food Purchasing and Production.		
<i>Prerequisite: HEFD 253. Special fee.</i>		
HEFD 253		
QUANTITY FOOD PURCHASING AND PRODUCTION	3.0	
Determining needs, purchasing, storing, preparing and serving food in large volume.		
<i>Prerequisites: HENU 150 and HENU 182.</i>		
HEFD 254		
FOODSERVICE EQUIPMENT AND FACILITIES DESIGN	3.0	
Facilities layout and design. Selection of equipment based on design criteria. Purchasing standards and procedures.		
<i>Prerequisite: HEFD 252.</i>		
HEFD 352		
ORGANIZATION AND MANAGEMENT OF FOODSERVICE SYSTEMS	3.0	
Principles of management, organizational structure, policy and decision-making. The menu in management, budgeting and cost control, sanitation and safety, personnel policies and management.		
<i>Prerequisites: HEFD 252 and MGMT 231. Special fee.</i>		
HEFD 353		
SPECIALIZED FOOD PRODUCTION	3.0	
Opportunity to study selected problems in food production in various types of foodservice operation. Menu planning and production for special events; terminology and techniques utilized in specialized areas of food production. Laboratory experience is included.		
<i>Prerequisites: HEFD 254 and HEFD 352. Special fee.</i>		
HEFM 141		
INTERPERSONAL RELATIONS	3.0	
Relevant and up-to-date information about meaningful human relationships throughout the life cycle. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.		
HEFM 214		
CHILD DEVELOPMENT I	3.0	
A developmental approach to the young child from conception to age five. The major challenges confronting the developing child mastering the tasks of socialization and understanding the world. Supervised observation and participation with groups of young children for two and one half hours per week, each week of the semester. Field work required.		
<i>Prerequisite: PSYC 101.</i>		
HEFM 248		
INDIVIDUAL AND FAMILY DEVELOPMENT OVER THE LIFESPAN	3.0	
This introductory course provides an overview of human and family development over the life span in the United States and in other societies. The concepts of continuity and change in both individual and family relationships, status and roles will be explored.		
<i>Prerequisite: Human Ecology majors only, all concentrations.</i>		
HEFM 301		
VOLUNTEER IN THE COMMUNITY	2.0-4.0	
The role of the volunteer solving the socio-economic-civic-educational problems facing individuals and families; volunteer participation as an individual and in groups. Field work required.		
HEFM 314		
CHILD DEVELOPMENT II	3.0	
This course focuses on the developmental approach to studying the school-aged child (6-18 years). Physical, emotional, intellectual, social and moral development throughout this age period are studied. The influences of family, peers and society on the developing individual are examined. Field experience is required.		
<i>Prerequisites: HEFM 214.</i>		
HEFM 315		
FIELD EXPERIENCES IN FAMILY AND CHILD SERVICES	3.0	
Planned supervised experience with selected agencies offering services for families and for children. 35 hours of field work required.		
<i>Prerequisites: HEFM 141 and HEFM 248 and HEFM 314.</i>		
HEFM 320		
PARENTING SKILLS AND RESOURCES	3.0	
Opportunities for the student to develop effective parenting skills and the knowledge about human development needed for the application of these skills. Impact of parenting resources on both parents and non-parents. Local, state and national resources examined. Assigned activities with children. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.		
HEFM 344		
CHALLENGE OF AGING	3.0	
The change over the adult life span as it affects family interaction and resources in various sub-cultures. Implications for social policy and institutions relative to an increasing aging population. Field participation with agencies and elders; minimum 6 hours contact - more encouraged. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.		

HEFM 414		
ORGANIZATION AND MANAGEMENT OF CHILD CARE CENTERS	3.0	
Basic principles of supervision and administration applied to developing a sound program in a modern pre-school program. The learning process applied to the professional development of staff. Organization and administration of individual classrooms and the total school program; the relationship of the school to community services and agencies.		
<i>Prerequisites: HEFM 214 and junior standing.</i>		
HEFM 418		
STRATEGIES FOR WORKING WITH PARENTS	3.0	
Establishing a positive team approach between the parent and teacher. Parent-teacher interaction. How the teacher interprets parental anxieties, and conducts individual conferences and group meetings.		
<i>Prerequisite: HEFM 214.</i>		
HEFM 445		
THE INNER CITY FAMILY	3.0	
Sub-cultures residing in large cities. The impact of urbanization, ethnicity, social and economic institutions. Problems which families encounter. Community contact is part of the course. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.		
<i>Prerequisite: Junior standing.</i>		
HEFM 448		
FAMILY COUNSELING	3.0	
Techniques and theories of collecting data and counseling families with such problems as money management, nutrition concerns, parent-child relationships and value conflicts.		
<i>Prerequisites: HEFM 141 and HEFM 214 and HEFM 248 and senior standing or graduate status.</i>		
HEMG 231		
THE FAMILY IN THE ECONOMIC SYSTEM	3.0	
The family as an economic unit in society. Economic behavior of various sub-cultures, age groups and family patterns. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.		
HEMG 270		
INDIVIDUAL MANAGEMENT: THEORIES AND STRATEGIES	3.0	
Opportunity to investigate management theories and apply them to personal life. Influences on, and blocks to, personal management, problem solving, planning, and expediting. Required of majors. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the University Writing Requirement for HUCA, HUCL, HUED, HUFA, HUFD, HUFE, HUGF, HUFM, HUFPP, HUFU, HUGR majors.		
HEMG 331		
MONEY MANAGEMENT	3.0	
The role and meaning of money in individual and family living; understanding income as a means of acquiring a style of life; the effective control of income, spending, savings, credit, and managing resources for future needs.		
HEMG 335		
CONSUMERS IN THE MARKET	3.0	
The consumer perspective of the marketplace. Emphasis on developing research skills and understanding laws, regulations and agencies that affect the consumer.		
<i>Prerequisite: Not open to freshmen.</i>		
HEMG 435		
CONSUMER ACTION	3.0	
The market place as a social, psychological and economic institution serving consumers. Emphasis on consumer motivation, market organization, pricing and selling strategies: trends and current issues which affect the quality and availability of goods and services.		
<i>Prerequisites: ECON 101 or ECON 102, and HECO 304.</i>		
HEMG 470		
FAMILY MANAGEMENT	3.0	
Opportunity to analyze situations in which individuals and families use resources to maintain daily life and solve problems. Roles, goals, decision making, use of human and nonhuman resources and factors influencing household management.		
<i>Prerequisite: HEMG 270.</i>		
HENU 130		
INTRODUCTION TO NUTRITION AND FOOD SCIENCE PROFESSION	1.0	
An introductory course, which provides general information about nutrition and food science fields and acquaints students with professional requirements and opportunities.		
<i>Prerequisite: Human Ecology majors only with concentration in Food Management, Nutrition and Food Science-General, or Nutrition and Food Science-Dietetics or Nutrition and Food Science minors.</i>		
HENU 150		
FOOD COMPOSITION AND SCIENTIFIC PREPARATION	3.0	
An introduction to food science, nutrition and food preparation with emphasis on scientific principles involved in the characteristics of acceptable standardized products and product evaluation.		
<i>Prerequisite: Special fee.</i>		
HENU 153		
DYNAMICS OF FOOD AND SOCIETY	3.0	
This course is designed to give students an opportunity to explore issues of food consumption through a study of: basic nutrition requirements; social/psychological factors influencing food behaviors; food acquisition through history as compared to contemporary situations; the impact on the ecological system in the quest for food; and the social, economical, and political aspects of the world food situation and potential means of alleviating the problems of hunger and nutrient deficiencies. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement (MAR).		
HENU 182		
NUTRITION	3.0	
This course is designed to give students a general knowledge of the components of the food we eat, the nutrients necessary for a healthy life, the functions of nutrients, and the interrelationships and metabolism of nutrients. The factors which influence the recommended dietary intake of nutrients, and theories and guidelines for screening nutrition risk and disease and prevention are presented. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.		
HENU 192		
NUTRITION WITH LABORATORY	4.0	
This course is designed to provide students with a general understanding of the components of the food we eat and the nutrients necessary for life. The functions of nutrients, their interrelationships, digestion, absorption and metabolism of nutrients are discussed. The factors, such as age, gender, ethnicity, physical activity, and environmental factors, which influence food intake and requirements of nutrients are covered. Students learn to measure and evaluate their nutritional status and body composition using equipment used in laboratory and analyze their diets using computer software. They plan meals considering individual's nutritional requirements in the laboratory. Historical, national, and international issues regarding food and nutrition are presented.		
HENU 255		
MEAL DESIGN AND MANAGEMENT	3.0	
A course designed to include the design and delivery of meals for individuals and families. Special emphasis on nutrition and economic needs balanced with current lifestyles. Principles involved in meal management will be practiced and illustrated through class labs.		
<i>Prerequisites: HENU 150 and 182. Special fee.</i>		
HENU 257		
INTRODUCTORY FOOD SCIENCE	3.0	
An introduction to the science of food, with emphasis on the study of the constituents of food and the chemical, physical and biological reactions occurring in food that affect safety, nutritional, sensory and economical changes during processing and storage. This course is appropriate for students in food and nutrition, foodservice management, biology, chemistry, and health sciences.		
<i>Prerequisites: CHEM 111 or 107 and 109.</i>		

- HENU 282**
APPLIED NUTRITION IN THE LIFE CYCLE 4.0
 The application of basic nutrition knowledge to individuals and community agencies. Assessing nutrition problems in community settings and planning and evaluating programs to deal with those problems. Analysis of the physiological, biochemical, psychological and sociological factors that affect nutrient needs throughout the life cycle. Field studies.
Prerequisite: HENU 182. Special fee.
Prerequisite or corequisite: CHEM 130.
- HENU 357**
EXPERIMENTAL FOOD SCIENCE 3.0
 Study of the theory and applications of the chemical and physical changes involved in food processing, storage and preparation through objective and subjective analytical techniques.
Prerequisites: HENU 150 and CHEM 130. Special fee.
- HENU 382**
ADVANCED NUTRITION 4.0
 The physiological and chemical bases for nutrient needs, mechanisms through which nutrients meet the biological needs of humans, evaluation and interpretation of research findings.
Prerequisites: HENU 182 and BIOL 243 and CHEM 270. Special fee.
- HENU 456**
RESEARCH IN FOODS 3.0
 Scientific method in the design and execution of experimental food studies and in the interpretation and evaluation of results. Independent laboratory research.
Prerequisite: HENU 357. Special fee.
- HENU 482**
NUTRITION COUNSELING 3.0
 This course offers practical experience dealing with the assessment, documentation, principles of marketing, adult learning, helping skills, and evaluation as related to weight control and the role of food in promotion of a healthy lifestyle. Sixteen hours of clinical experience is required.
Prerequisites: HENU 182 and HENU 282 and HENU 255; HEED 412. Special fee.
- HENU 488**
MEDICAL NUTRITION THERAPY 4.0
 This course enables students to apply nutrition science to the prevention and treatment of human diseases and medical conditions. Nutrition assessment, diet modification, and specialized nutrition support, such as enteral and parenteral feeding, are covered.
Prerequisites: HENU 182 and HENU 382 and BIOL 243 and CHEM 270. Special fee.
- HENU 490**
NUTRITION AND FOOD SCIENCE PROFESSIONAL SEMINAR 1.0
 A capstone course, which provides skills necessary for beginning professionals in nutrition and food science fields.
Prerequisite: Junior or Senior Standing. Human Ecology majors only with concentration in Food Management, Nutrition and Food Science-General, or Nutrition and Food Science-Dietetics.
- HETX 120**
INTRODUCTION TO APPAREL DESIGN 3.0
 Theory and techniques for achieving well-fitted apparel; basic concepts, competencies and technologies using appropriate fabrics, computer aided design, and commercial patterns.
- HETX 122**
CLOTHING AND CULTURE: A MULTIDISCIPLINARY STUDY 3.0
 Analysis of dress in terms of cultural, social, psychological and economic influences. Clothing and adornment choices related to individual concerns, including esthetic, physical and ecological factors. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Electives, Personal/Professional Issues. Meets the Multicultural Awareness Requirement.
- HETX 220**
TEXTILE AND APPAREL INDUSTRY 3.0
 In-depth study of factors which spur progress, affect supply, demand, and ultimately the consumer. History, economic structure and patterns of production, distribution and marketing of textile and apparel industries.
- HETX 298**
TEXTILES I: INTRODUCTION 3.0
 Intensive study of fibers, yarns, fabric constructions, and finishes related to consumer concerns for use, durability, care and cost. For students with a professional interest in textiles and clothing.
- HETX 320**
HISTORICAL ANALYSIS OF COSTUME 3.0
 The development of clothing; clothing usage in terms of social, economic and aesthetic backgrounds.
Prerequisite: Not open to freshmen.
- HETX 325**
THE MARKETING OF FASHION 3.0
 Exploration of the fashion business with an emphasis on the marketing of apparel. Problems and trends at the wholesale and retail levels will be explored.
Prerequisite: Sophomore standing.

INFORMATION AND DECISION SCIENCES

SCHOOL OF BUSINESS

Chairperson: Richard Peterson

There are two major thrusts to the programs offered through this department: Management Information Systems and Quantitative Methods.

Students in the Management Information Systems are provided with knowledge of the theoretical and practical aspects of information management for today's business environment. The department, utilizing the latest in both hardware and software, prepares students to be competitive in today's commercial global economy.

Students in Quantitative Methods program receive training in analytical methods for solving operational research problems in industry. These methods, together with total quality management techniques and computer applications, are handled in depth to permit a student to become comfortable using modern statistical methods.

The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number.

Business Administration

Semester Hours

Required Courses

ACCT	201	Fundamentals of Financial Accounting	3
ACCT	202	Fundamentals of Managerial Accounting	3
BSLW	264	Legal, Ethical and Global Environment of Business	3
FINC	321	Fundamentals of Finance	3
INFO	270	Statistics for Business	3
INFO	371	Management Information Systems	3
INFO	375	Operations Analysis	3
MGMT	231	Management Processes	3
MGMT	439	Business Policy	3
MKTG	240	Introduction to Marketing	3
MKTG	346	Introduction to International Business	3

Collateral Courses

ECON	101	Principles of Economics: Macro	3
ECON	102	Principles of Economics: Micro	3
INFO	273	Introduction to Computers in Business	3
MATH	114	Mathematics for Business II: Calculus	3

Management Information Systems Concentration

Semester Hours

Required Courses (9 semester hours)

INFO	281	Fundamentals of Management Information Systems I	3
INFO	282	Fundamentals of Management Information Systems II	3
INFO	496	Advanced Systems Analysis and Design	3

Electives I (6-9 semester hours)

INFO	357	Business Computer Programming	3
INFO	380	Computer Networks in Business	3
INFO	410	Database Development for Business	3

Elective II (3-6 semester hours)

INFO	306	Information Systems and Applications	3
INFO	321	Information and Media Management	3
INFO	335	Computer Applications in Business	3
INFO	470	Electronic Commerce: Creating Business Value Through Information Technology	3
INFO	490	Decision Support Systems for Business	3
INFO	491	Independent Study in Information Systems	3
INFO	492	Special Topics in Information Systems	3

Collateral Course

INFO	320	Administrative Business Communication	3
------	-----	---------------------------------------	---

Business Administration Electives

Select 3 semester hours from the appropriate list to be obtained from the department 3

Quantitative Methods Concentration

Required Course

INFO	372	Management Science	3
INFO	463	Essential Research and Data Analysis Methods	3
INFO	475	Quantitative Decision Making for Business	3

Electives

Select one from the following list of approved electives:

INFO	281	Fundamentals of Management Information Systems I	3
INFO	315	Production and Industrial Analysis	3
INFO	350	Quality Improvement	3
INFO	357	Business Computer Programming	3
INFO	374	Computer Management	3
INFO	386	Supply Chain Management	3
INFO	474	Business Forecasting	3
INFO	490	Decision Support Systems for Business	3

Collateral Course

INFO	320	Administrative Business Communication	3
------	-----	---------------------------------------	---

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Courses of Instruction

BSED 101

CONTEMPORARY BUSINESS

3.0

The organization and operation of contemporary business are explored. Students study the operation of the free enterprise system, alternative economic systems, and the various functional areas of business: finance, management, production, and marketing. Meets the 1983

General Education Requirement (GER)—Social Science, Topic Course.

Prerequisite: Cannot be used for degree credit by Business Administration major with more than 64 credits completed toward degree.

BSED 200

PERSONAL FINANCE: COMPUTER APPLICATIONS

3.0

This course is designed to allow students to apply personal finance concepts using Quicken software on the computer. Personal finance concepts and practices such as managing a checking account, credit account, cash account, maintaining home inventory, maintaining a personal balance sheet, income and expense record, tax records, estate planning, home mortgages, and using the INTERNET to facilitate processing of personal finance records are the major components of this course.

Prerequisite: Satisfactory completion of the GER in Computer Science.

BSED 309

PERSONAL FINANCE

3.0

The role of the consumer in the economy is studied by emphasizing how government and business policies, laws, and practices affect the consumer and his standard of living. Government regulatory laws and regulations, government policies on the control of money and inflation and how they affect the consumers are discussed. Business and labor policies and practices are emphasized in the areas of credit, savings, and housing. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

INFO 230

INTRODUCTION TO BUSINESS WORK EXPERIENCE

3.0-6.0

This is an introductory cooperative education course which integrates formal classroom study and assignments with a supervised full-time or part-time off-campus employment experience. The purpose of this course is to develop self awareness and to explore educational and occupational alternatives.

Prerequisites: Sophomore level status (45+ semester hours completed) with a 2.25 minimum grade point average.

- INFO 270**
STATISTICS FOR BUSINESS 3.0
 This course is a comprehensive introduction to the application of modern statistical methods. Topics covered include: descriptive statistical methods of data analysis; probability theory; discrete and continuous probability distributions and mathematical expectation; classical statistical inference - sampling distributions, confidence interval estimation, sample size determination, and hypothesis testing for means and proportions; regression and correlation and time series analysis. Spreadsheet software is integrated in all topics. Cross listed with Mathematical Sciences, MATH 270.
Prerequisites: MATH 114. May not be taken for graduation credit by College of Science and Mathematics majors.
- INFO 273**
INTRODUCTION TO COMPUTERS IN BUSINESS 3.0
 An introduction to the use of information systems in business. Topics that will be covered include computer hardware and software, systems analysis, management information systems, data communications and application development. Students will be introduced to business software packages which will include database management, spreadsheeting and business word processing.
- INFO 281**
FUNDAMENTALS OF
MANAGEMENT INFORMATION SYSTEMS I 3.0
 This course provides students with an introduction to the fundamental concepts of management information systems. This course focuses on developing foundation knowledge and skills in programming logic and database development.
Prerequisite: INFO 273 or passing SBUS Computer Proficiency Exam.
- INFO 282**
FUNDAMENTALS OF
MANAGEMENT INFORMATION SYSTEMS II 3.0
 This course provides students with an introduction to the fundamental concepts of management information systems. This course is aimed at teaching students the fundamentals of computer networks and systems analysis.
Prerequisite: INFO 273 or passing SBUS Computer Proficiency Exam.
- INFO 306**
INFORMATION SYSTEMS AND APPLICATIONS 3.0
 Designed to increase awareness of emerging technologies in telecommunication networks and presentation graphics within a global business environment. Emphasis is on emerging technologies, computer-generated business presentations, and state-of-the-art desktop publishing document production. Students access international information highways through VAX networks and internet for electronic mail and interrogation of worldwide databases. Oral and written presentation skills are developed by reporting results of research through PowerPoint and PageMaker. No previous knowledge of these programs is required. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisites: INFO 273 or CMPT 109; Business Administration major.
- INFO 315**
PRODUCTION AND INDUSTRIAL ANALYSIS 3.0
 This course is mainly designed to expose students to production aspects of industries. It will develop theories and applications in the areas of location of facilities, capacity planning, facilities design and layout, designing assembly line production systems, facilities maintenance and materials handling, purchasing, inventory control systems, forecasting demand for products, master scheduling and MRP, scheduling and control systems, and quality and statistical quality control.
Prerequisites: INFO 270 or INFO 271 and MGMT 231; Business Administration majors.
- INFO 320**
ADMINISTRATIVE BUSINESS COMMUNICATIONS 3.0
 The study of communication processes using special problem applications with a theoretical and practical base. Writing proposals, business correspondence, business plans, and handling electronic messaging are covered. Emphasis is also on using presentation materials to complement interpersonal and organizational communication. This course counts as an elective within the business major for all concentrations in Business Administration. Meets the University Writing Requirement for BAEC, BAIB, BAMi, BAQM, ECON, ECBE majors.
Prerequisite: Business Administration majors only.
- INFO 321**
INFORMATION AND MEDIA MANAGEMENT 3.0
 Includes study of the criteria and methods by which records are created, stored, retrieved, retained and disposed, as well as attention to study of the managerial considerations necessary for effective selection and utilization of equipment, procedures, and personnel. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: Business Administration majors only or approval of department chairperson.
- INFO 330**
OFFICE SYSTEMS ADMINISTRATION PROFESSIONAL WORK EXPERIENCE PROGRAM 3.0-6.0
 This is a cooperative education course specifically for office systems administration majors. Course is designed to integrate formal classroom study and assignments with supervised full-time off-campus employment. It has as its primary goals the development of occupational competencies and pre-professional training.
Prerequisites: Junior or senior status; a 2.45 grade point average; satisfactory completion of INFO 230 or the equivalent of 6 months of verified full-time work experience; Office Systems Administration concentration declaration for one prior semester plus the completion of 6 semester hours from the Office Systems Administration core courses.
- INFO 335**
COMPUTER APPLICATIONS IN BUSINESS 3.0
 A course designed to prepare students to make decisions in the selection and utilization of microcomputer systems and appropriate software for a business environment based on identified needs; the factors to consider in the implementation of microcomputers at different levels of an organization; and the characteristics of specific software applications used in the business environment. The course also provides students with hands-on experience with commercial software packages. This course counts as an elective within the business major for all concentrations in Business Administration.
Prerequisite: INFO 273 or CMPT 109; Business Administration major.
- INFO 350**
QUALITY IMPROVEMENT 3.0
 A comprehensive approach to quality in organizations is essential to maintaining competitive position. This course explores current thinking as well as the tools and techniques necessary to implement quality programs.
Prerequisites: INFO 270 or INFO 271; Business Administration majors.
- INFO 357**
BUSINESS COMPUTER PROGRAMMING 3.0
 This course enhances students' ability to use computer programming to solve business problems. Students are introduced to the concepts of object-oriented programming in business application.
Prerequisite: INFO 281, INFO 282; Business Administration major with concentration in Management Information Systems or departmental approval.
- INFO 371**
MANAGEMENT INFORMATION SYSTEMS 3.0
 Total information systems from the perspective of organizations. Information from the management point of view; its needs, cost and value. Definition and analysis in the solution of systems problems. The computer as a tool of processing accounting, marketing and financial information for decision-making and policy-setting. (Field work).
Prerequisites: ACCT 202, and MGMT 231, and INFO 273 or CMPT 109, Business Administration major.
- INFO 372**
MANAGEMENT SCIENCE 3.0
 Applied mathematical techniques used to solve a wide variety of problems with special attention to issues, management and production control. Topics include linear programming, transportation and assignment algorithms, other optimization techniques, decision theory, project management, queuing theory and simulation.
Prerequisites: INFO 270, INFO 375, and MGMT 231; Business Administration major.
- INFO 374**
COMPUTER MANAGEMENT 3.0
 Optimum selection of computer hardware, software and operating systems among various alternatives, from a cost effectiveness point of view.
Prerequisites: INFO 371; Business Administration major.

INFO 375**OPERATIONS ANALYSIS****3.0**

Mathematical and statistical methods in the analysis of specific business systems and industrial production activities, inventory control, production planning and scheduling, and capital management. Computers are used to solve problems involving complex systems.

Prerequisites: INFO 270 or INFO 271; Business Administration major.

INFO 380**COMPUTER NETWORKS IN BUSINESS****3.0**

This course enhances students' knowledge of data communications, network design, administrations, and distributed information systems. The concepts essential to the design and application of both communication hardware and software are examined. Emphasis is on the analysis and design of networking application in business. Management of networks, networking security, cost-benefit analysis, introduction of major emerging networking technologies, and evaluation of connectivity options are also covered.

Prerequisites: INFO 281 and INFO 282; Business Administration major.

INFO 386**SUPPLY CHAIN MANAGEMENT****3.0**

This course involves the flow of materials and information among all of the firms that contribute value to a product from the source of raw materials to end customers. Relationships among supply chain components and the interface of supply chain activities and other functional areas of business are examined.

Prerequisites: INFO 375; Business Administration majors.

INFO 410**DATABASE DEVELOPMENT IN BUSINESS****3.0**

This course provides students an opportunity to examine various issues in all phases of database development, including requirement analysis and data modeling, logical design and physical design, data integrity control, SQL queries, internet applications and database administration.

Prerequisites: INFO 281 and INFO 282; Business Administration major.

INFO 463**ESSENTIAL RESEARCH AND DATA ANALYSIS METHODS****3.0**

Provides a working knowledge of research methodology and includes the fundamentals of both exploratory and confirmatory data analysis useful in business research settings, enabling a focus on understanding and interpreting results and being aware of related ethical issues. Develops the concepts of experimental designs and model building and uses SPSS, a menu-driven statistical software package, throughout. Enhances development of interpersonal skills through the use of projects and assignments emphasizing the importance of teamwork in achieving success in an organizational setting and enhances development of communication skills by emphasizing term team project reports and brief oral presentations.

Prerequisites: INFO 270 and INFO 273 or permission of department; Business Administration majors.

INFO 470**ELECTRONIC COMMERCE: CREATING BUSINESS VALUE USING INFORMATION TECHNOLOGY****3.0**

This course is designed to provide the student an understanding of the consequences of the introduction of the Internet and the World Wide Web in the way business is conducted. The electronic commerce world is viewed primarily from the point-of-view of MIS. That is, the managerial issues related to the information infrastructure requirements are mainly attended to. Both individuals and organizations have been profoundly affected by related network technologies that have since permutated in form ever since the convergence of advanced communications and information infrastructure and the cable, telephone, television, and telecommunications industries. The student will learn about new forms of business practices in business-to-business, consumer-to-business, and intraorganizational transactions. Specifically, activities in the areas of electronic shopping, publishing, distribution, and collaboration will be explored. The following issues that have arisen as a result of electronic commerce (EC) will be explored: security, authentication, privacy, data encryption, intellectual property rights, freedom of expression using electronic media, fair use policies, legal liabilities, etc. Students will also learn about new organizational forms such as the "virtual" firm that are emerging as a result of EC.

Prerequisite: INFO 371

INFO 474**BUSINESS FORECASTING****3.0**

Mathematical and econometric models for short- and long-range business forecasting. Models are evaluated for accuracy and relevance. The computer is used as a tool in developing an automated system.

Prerequisite: INFO 270 or INFO 271; Business Administration majors.

INFO 475**QUANTITATIVE DECISION MAKING FOR BUSINESS****3.0**

This course is a capstone course for the Quantitative Methods concentration and is aimed at applying the quantitative methods learned in the prerequisite courses to solve some real world business problems. It will be a project-oriented course. The class time will be used to discuss the problems and their solution strategies rather than learning more techniques. Computerized tools will be used to solve the problems.

Prerequisites: INFO 372 or INFO 463; Business Administration majors.

INFO 476**DATA MINING FOR BUSINESS****3.0**

This course is concerned with data mining concepts and techniques, and is designed as a practical introduction to the growing field of Data Mining. This powerful set of analytic techniques is becoming increasingly popular as an information management tool designed to guide decisions under conditions of limited certainty across such diverse fields as marketing, finance, economics, education, epidemiology, psychology, sociology, as well as many others.

INFO 490**DECISION SUPPORT SYSTEMS FOR BUSINESS****3.0**

The course will cover the following topics: decision types and models, heuristics in decision making, the role of data and its collection, group decision making, design of DSS and GDSS, neural computing/learning, uncertainty issues.

Prerequisites: INFO 371; Business Administration major.

INFO 491**INDEPENDENT STUDY IN INFORMATION SYSTEMS****3.0**

A student, under the guidance of a faculty advisor, will conduct an in-depth study on a current topic in information systems. A project report or a research paper will be produced after this study.

Prerequisite: Departmental approval.

INFO 492**SPECIAL TOPICS IN INFORMATION PROCESSING****1.0-3.0**

This course covers the topics in the design, implementation, and applications of information systems. The topics also include various information technologies and their applications. The course may be repeated for credit as long as the "special topic" in each course differs from topics previously taken.

Prerequisite: Departmental approval.

INFO 496**ADVANCED SYSTEMS ANALYSIS AND DESIGN****3.0**

The course is an advanced (capstone) project-oriented exposition of the MIS knowledge to application system development process. Emphasis is placed on information analysis and the logical specification of the system and project management. SDLC, systems development process and systems development tools, etc., are covered. The student is guided to develop a formal design document as a project.

Prerequisites: Two of the following: INFO 357, INFO 380, INFO 410 and departmental approval.

JUSTICE STUDIES MAJOR

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Director: David J. Dodd

The Justice Studies major approaches issues of justice from a multidisciplinary vantage point that incorporates Psychology, Sociology, and Legal Studies. The program prepares students for employment in settings such as the criminal justice system, social service agencies, law enforcement, the court system, educational settings, law offices, corporations, and federal or state agencies.

The major provides:

- a comprehensive grounding in the social, cultural, and political issues relevant to an understanding of the justice system in the United States;
- the ability to apply theoretical perspectives to issues in Justice Studies;
- an empirical approach to questions about Justice Studies;
- an appreciation of ethical issues relating to Justice Studies;
- competencies in knowledge, methods, and applications needed for careers and professional development in these areas;
- and field work experience in occupational settings such as child advocacy organizations, law offices, criminal justice agencies, private industry, and the public sector.

The 39 to 41 credit multidisciplinary Justice Studies major consists of a required 15-16 credit core emphasizing the theoretical and applied aspects which are essential background knowledge for all students in the program. The courses in the common core combine a liberal arts approach with a grounding in the theories and methods of the major disciplines involved. The core is enhanced by a required 24-25 credit applied concentration in one of four areas: Child Advocacy, Environmental Justice, Justice Systems, or Paralegal Studies.

The Child Advocacy Concentration, unique in New Jersey and the region emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. The concentration advisor is Dr. Milton Fuentes.

The Justice Systems Concentration focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. The concentration advisor is Dr. David J. Dodd.

The Environmental Justice concentration offers a comprehensive view of the field of environmental justice; a thorough understanding of industrial and post-industrial environments; competencies in knowledge, methods, and applications needed for careers and professional development in environmental justice; fieldwork experience in appropriate settings; and access to the complex world of environmentalism: including government agencies, private and public research institutions, community activists, and advocacy groups.

The Paralegal Studies Concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. The concentration advisor is Dr. Lenore Molee.

The Justice Studies major is a program available to both day and evening students.

Note: A student in the Justice Studies major may take more than one concentration. A maximum of six semester hours of overlap is permitted between concentrations.

Justice Studies Major

Semester Hours

Required Common Core (15-16 semester hours)

JUST 200	Perspectives on Justice Studies I	3
JUST 201	Perspectives on Justice Studies II	3
JUST 221	Research in Justice Studies: Social Science Perspectives	3
JUST 312	Research in Justice Studies: Legal Perspectives	3
OR		
LSPR 312	Foundations of Legal Research	3
JUST 497	Senior Seminar and Field Experience in Justice Studies (Externship)*	3
OR		
JUST 498	Senior Seminar and Field Experience in Justice Studies (Cooperative Education)**	4

*Variable credit allowed up to 8 semester hours. Semester hours above 3 semester hours are free electives, not included in the semester hours toward the major.

**Variable credit allowed up to 8 semester hours. Semester hours above 4 semester hours are free electives, not included in the semester hours toward the major.

Child Advocacy Concentration (24 semester hours):

I. Additional Required Courses: 12 credits

PSYC 201	Child Psychology	3
PSYC 224	Children's Rights and Child Advocacy	3
PSYC 330	Forensic Psychology	3
PSYC 430	Contemporary Issues in Child Advocacy	3

II. Choice of 4 courses from among the following (12 semester hours): Students must include at least one Legal Studies or Sociology course from the courses listed below.

A. Students must include at least two courses from this group:

PCOM 245	Introduction to Community Psychology	3
PSYC 202	Adolescent Psychology	3
PSYC 231	Psychology of Aggression	3
PSYC 245	Mental Health Issues of Hispanic Americans	3
PSYC 248	Psychology and Law	3
PSYC 246	Psychology of the Black Experience	3
OR		
SOCI 205	Black Family	3

B. Students may include up to two courses from this group:

JUST 499	Selected Topics in Justice Studies	3
LSLW 315	The Mediation Process and Its Applications	3
LSPR 330	Family Law	3
POLS 304	State and Local Government	3
PSYC 265	Psychology of Women	3
SOCI 204	Sociology of the Family	3
SOCI 209	Sociology of Poverty and Welfare	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3

C. With advisor's permission, seniors may substitute up to two courses at the 500 level.

Total semester hours for Justice Studies major with concentration in Child Advocacy 39-40

Environmental Justice Concentration (24 semester hours):

I. Additional Required Courses (6 semester hours):

JUST 314	Environmental Justice	
OR		
SOCI 314	Environmental Justice	3
ENVR 410	Environmental Law	
OR		
EUGS 410	Environmental Law	3

II. Choice of 6 courses from among the following two groups
(18 semester hours):

A. Students must include four courses from this group:

ANTH 360	Cultural Ecology	3
JUST 499	Selected Topics in Justice Studies	3
PSYC 109	The Human Environment	
OR		
ENVR 109	The Human Environment	3
PSYC 230	Environmental Psychology	3
PSYC 366	Health Psychology: Applications to the Community	3
SOCI 211	Sociology of Health and Illness	3
SOCI 312	Environmental Sociology	3
SOCI 408	Social Movements	3

B. Students must include two courses from this group (6 semester hours):

BIOL 107	Biology for Survival	3
EUGS 331	Urbanization and Environment	3
GEOS 125	Earth and the Environment	3
HLTH 240	Foundations of Environmental Health	3
POLS 416	Selected Topics in Political Science	3

Total semester hours for Justice Studies major with concentration in Environmental Justice 39-40

Justice Systems Concentration (25 semester hours):

I. Additional Required Courses (10 semester hours):

SOCI 101	Criminology	3
SOCI 232	Introduction to Criminal Justice	3
JUST 240	Statistics for Social Research	4
OR		
SOCI 240	Statistics for Social Research	4

II. Choice of 5 courses from among the following (15 semester hours):

A. Students must include at least three courses from this group:

SOCI 202	Racial and Ethnic Relations	3
SOCI 203	Sociology of Organized Crime	3
SOCI 238	Research Methods in Criminal Justice	3
SOCI 315	Social Stratification	3
SOCI 321	White Collar Crime	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 325	The Sociology of Police	3
SOCI 351	Juries and Justice	3
SOCI 353	Sociology of Corrections	3
SOCI 405	Deviance and Social Control	3
SOCI 420	Sociology of Law	3
SOCI 430	Sociology of Gender	3
SOCI 230	Sociology of Conflict and Violence	3
OR		
ANTH 230	Anthropology of Conflict and Violence	3

B. Students must include one Legal Studies or Psychology course from this group:

LSPR 301	Criminal Law and Procedure	3
OR		
POLS 321	Law in Society: Criminal Law	3
POLS 323	American Constitutional Law: Civil Rights and Liberties	3
OR		
LSLW 360	Rights, Liberties, and American Justice	3
LSLW 315	The Mediation Process and Its Applications	3
LSPR 305	Immigration Law	
LSPR 317	Evidence	3
PHIL 206	Philosophical Issues in Law and Justice	3
POLS 304	State and Local Government	3
PSYC 224	Children's Rights and Child Advocacy	3
PSYC 248	Psychology and Law	3
PSYC 330	Forensic Psychology	3
PSYC 430	Contemporary Issues in Child Advocacy	3
JUST 499	Selected Topics in Justice Studies	3

C. With advisor's permission, students may substitute up to two courses at the 500 level.

Note: Students in this concentration may take any minor except Criminal Justice.

Total semester hours for Justice Studies major with concentration in Criminal Justice: 40-41

Paralegal Studies Concentration (24 semester hours):

1. Additional Required Courses (9 semester hours):

LSPR 210	Law and Litigation	3
LSPR 339	Computer Applications in the Legal Environment	3
LSPR 362	Legal Writing	3

II. Choice of 5 courses from among the following (15 semester hours):

Students must include at least one Psychology or Sociology course from the courses listed below:

A. Students must include at least one course from this group:

LSPR 304	Real Estate Law	3
LSPR 306	Contract Law	3
LSPR 310	Fundamentals of Patent, Trademark, and Copyright Law	3
LSPR 322	Wills, Trusts, and Probate Law	3
LSPR 330	Family Law	3
LSPR 336	Corporations and Partnerships	3

B. Students may include up to two courses from this group:

LSPR 301	Criminal Law and Procedure	3
LSPR 317	Evidence	3
LSPR 305	Immigration Law	3
LSPR 308	Negotiation, Mediation and Arbitration	3
LSPR 332	Personal Injury Law	3
LSPR 411	Advanced Patent, Trademark, and Copyright Law	3
LSPR 420	Advanced Civil Litigation	3
LSPR 438	Trademark Law	3
LSPR 441	Advanced Computer Systems in the Legal Environment	3
LSPR 450	Law Office Management and Technology	3
LSPR 460	Advanced Legal Research and Writing	3
LSPR 499	Selected Topics in Paralegal Studies	3

C. Students may include up to two courses from this group:

JUST 499	Selected Topics in Justice Studies	3
LSLW 315	The Mediation Process and Its Applications (precludes LSPR 308 major credit)	3
LSLW 360	Rights, Liberties, and American Justice	3
LSLW 391	Women and the Law	3
LSPR 316	Skills for Bilingual Legal Personnel	3
PHIL/LSLW 324	Legal Reasoning	3
POLS 304	State and Local Government	3
POLS 321	Law in Society: Criminal Law (precludes LSPR 301 major credit)	3
PSYC 224	Children's Rights and Child Advocacy	3
PSYC 248	Psychology and Law	3
PSYC 330	Forensic Psychology	3
SOCI 101	Criminology	3
SOCI 202	Racial and Ethnic Relations	3
SOCI 232	Introduction to Criminal Justice	3
SOCI 321	White Collar Crime	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 351	Juries and Justice	3
SOCI 420	Sociology of Law	3

D. With departmental permission, seniors may substitute up to two courses at the 500 level.

Note: Students in this concentration may take any minor except Paralegal Studies.

Total semester hours for Justice Studies major with concentration in Paralegal Studies 39-40

Courses of Instruction

JUST 199
FRESHMAN SEMINAR IN JUSTICE STUDIES 1.0
 An experience for Justice Studies freshmen that will help them to succeed as Justice Studies majors by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002-New Student Seminar.

JUST 200
PERSPECTIVES ON JUSTICE STUDIES I 3.0
 An examination of issues, justice, and advocacy from the multidisciplinary perspectives of Legal Studies, Psychology, and Sociology. An exploration and analysis of the legal system with emphasis upon the rights and liberties of the individual as well as alternative forms of dispute resolution. Social behavior, group processes and individual differences. Controversies surrounding justice and injustice including the potential for differential treatment based upon race, gender, age, sexual orientation, and physical ability. Meets the University Writing Requirement for JUCA, JUJS, JUPS majors.

JUST 201
PERSPECTIVES ON JUSTICE STUDIES II 3.0
 Experiential study of (1) the judicial process; (2) work roles and careers; (3) institutions; and (4) related issues such as children's rights and dispute resolution within the criminal justice system. Emphasis on the relationship of theory to practice and on the contexts in which tasks are accomplished and roles are performed. Classroom issues are viewed from a real world perspective through field trips, site visits, supervised observations and field work, and integrated through journals, discussions and research.

JUST 221
**RESEARCH IN JUSTICE STUDIES:
 SOCIAL SCIENCE PERSPECTIVES** 3.0
 Introduction to the principles of empirical research and their application in the law and justice system. Examination of sampling, experimental methods, survey methods, and qualitative fieldwork and study of strengths and weaknesses of these methods. Attention to methods for program, family, and individual evaluation. A critical approach to understanding and using "facts" about levels of adult and juvenile crime, causes of crime, public perceptions of crime and punishment, victimization, policing, the courts, and corrections.
Prerequisite: Not open to freshmen.

JUST 314
ENVIRONMENTAL JUSTICE 3.0
 The domain of this course is the role of social inequities, especially those of class and race, in the distribution of environmental risks in societies at the local, national, and global levels and includes study of legal remedies and public policy measures that address environmental injustices. Cross listed with Sociology, SOCI 314.

JUST 390
INDEPENDENT STUDY IN JUSTICE STUDIES 3.0
 Guided study of a particular area of Justice Studies arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of Justice Studies. This course does not replace a regular course taken on an independent study basis
Prerequisite: Instructor's approval.

JUST 496
PEER MENTORING FOR JUSTICE STUDIES 3.0
 Advanced students serve as peer mentors in Justice Studies working with faculty and students to promote academic excellence and positive student culture. They will also solidify knowledge and gain organizational and leadership experience. This course may be repeated once for credit.
Prerequisites: Junior or senior status and advisor's permission; Justice Studies majors only.

JUST 497
SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (EXTERNSHIP) 3.0-8.0
 Research project and/or field experience. The required classroom seminar complements the experiential component and includes discussions from a multidisciplinary vantage point, preparation of Justice Studies portfolio, and career options. May be repeated once for students who choose a second concentration.
Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312 and 18 credits in the student's concentration. A minimum grade of C- is required in JUST 221 and JUST 312. Senior status and advisor's permission; Justice Studies majors only.

JUST 498
SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (COOPERATIVE EDUCATION) 4.0-8.0
 Academic study integrated with supervised paid employment. Research project and/or field experience. The required classroom seminar complements the experiential component and includes discussions from a multidisciplinary vantage point, preparation of Justice Studies portfolio, and career options. May be repeated once for students who choose a second concentration.
Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312 and 18 credits in the student's concentration. A minimum grade of C- is required in JUST 221 and JUST 312. Senior status and advisor's permission; Justice Studies majors only.

JUST 499
SELECTED TOPICS IN JUSTICE STUDIES 3.0
 Exploration of a timely and significant area of Justice Studies. The specific topic will be announced each time that the course is offered. May be repeated once for a total of six semester hours.

LEGAL STUDIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Norma C. Connolly

The Legal Studies Department at Montclair State University is committed to teaching students about law within the context of a quality liberal arts education. Our mission is to prepare our students for the highly competitive world of law by exposing them to the aspects of critical thinking and analysis, theoretical considerations and practical applications, conflict management, research and writing, and the technological preparedness necessary for those engaging in both the study and practice of law.

We accomplish this mission on several levels. Through general education courses, we teach students to be consumers of law. Through undergraduate programs, we prepare students for a variety of law-related careers through rigorous courses of study which accentuate the interdisciplinary nature of law and provide a sound theoretical foundation as applied in legal settings.

The Department of Legal Studies affords Montclair State students the possibilities of an applied career in law as a paralegal or Pre-Law preparation for a career as an attorney. Both the Paralegal and Pre-Law Programs are minors which may be combined with many diverse majors on campus. The Paralegal Studies program is also offered as a concentration within the Justice Studies Program. A Paralegal Studies Certificate is offered as an entry level paralegal program for post-baccalaureate students. A Master of Arts in Legal Studies is offered as a career enhancement degree for non-lawyer professionals in the legal field.

As University Pre-Law Advisor, Dr. Norma C. Connolly provides Pre-Law students with information and guidance on the law school admissions process and planning an appropriate course of study. Dr. Regina Judge and Dr. Lenore Molee serve as academic and career advisors for undergraduate students in the Paralegal Studies Program. Dr. Regina Judge, Dr. Lenore Molee, Dr. Jack LeClair and Dr. Marilyn Tayler serve as department Pre-Laws advisors.

PARALEGAL STUDIES PROGRAM (24 semester hours)

The Paralegal Studies Program offers the student a balanced and varied background in theoretical and practical aspects of law which are necessary for work as a legal assistant. Paralegals — sometimes referred to as legal assistants or legal analysts — work under the supervision of an attorney, in a variety of areas ranging from real estate, litigation and family law to patent, trademark and estate practice. The program develops intellectual and analytical skills, educates students for direct employment opportunities in the legal assistant field, and provides additional career possibilities in combination with a student's major.

The Montclair State University Paralegal Studies Program is the first and only program at a New Jersey state college or university to receive American Bar Association approval. A Certificate of Completion is awarded to all students who meet program standards, fulfill the 24 credit hours required in the Program, and complete a Bachelor's Degree. For undergraduate students, this is an academic minor or a concentration within the Justice Studies major. For Post-Baccalaureate students, it is a certificate program.

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded on transcripts. In Paralegal Studies, optional areas of emphasis are Hispanic Perspectives, Legal Information and Technology, and Patent, Trademark, and Copyright Law.

Paralegal Studies Minor

	Semester Hours
I. Required Courses	9
LSPR 210 Law and Litigation	3
LSPR 312 Foundations of Legal Research	3
LSPR 362 Legal Writing	3
II. Choice of 4 of the following	12
A. Students must include at least one course from the following:	
LSPR 304 Real Estate Law	3
LSPR 306 Contract Law	3
LSPR 322 Wills, Trusts, and Probate Law	3
LSPR 330 Family Law	3
LSPR 336 Corporations and Partnerships	3
B. Students may include up to three courses from the following:	
LSPR 301 Criminal Law and Procedure	3
LSPR 305 Immigration Law	3
LSPR 308 Negotiation, Mediation and Arbitration	3
LSPR 310 Fundamentals of Patent, Trademark and Copyright Law	3
LSPR 317 Evidence	3
LSPR 332 Personal Injury Law	3
LSPR 339 Computer Applications in the Legal Environment	3
LSPR 411 Advanced Patent, Trademark and Copyright Law	3
LSPR 412 Consumer Law	3
LSPR 420 Advanced Civil Litigation	3
LSPR 437 Entertainment Law	3
LSPR 438 Trademark Law	3
LSPR 441 Advanced Computer Applications in the Legal Environment	3
LSPR 450 Law Office Management and Technology	3
LSPR 460 Advanced Legal Research and Writing	3
LSPR 499 Selected Topics in Paralegal Studies	3
C. Students may include one law-related course from the following:	
LSLW 388 Trial Techniques and Strategies	3
LSPR 316 Skills for Bilingual Legal Personnel	3
(fluency in Spanish required)	
POLS 321 Law in Society: Criminal Law (instead of LSPR 301)	3
D. With departmental permission, seniors and post-baccalaureate students who meet all prerequisites, may include up to two courses at the 500 level from the Legal Studies Department.	

III. LSPR 497 Paralegal Seminar and Internship	3
OR	
LSPR 498 Cooperative Education: Paralegal Studies	4 or 8

Total Semester Hours for the Program 24-25

Optional Areas of Emphasis

By advisement, a student may focus upon optional areas of emphasis in the selection of Group II courses. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office. The required Paralegal Seminar and Internship course will focus upon the student's area of emphasis

- Legal Information and Technology**
(LSPR 339, LSPR 441, and LSPR 450)
- Patent, Trademark, and Copyright Law**
(LSPR 310, LSPR 411, and LSPR 438)
- Hispanic Perspectives (Fluency in Spanish required)**
(LSPR 316, and PSYC 245 or PCOM 245 or SOCI 202)

PRE-LAW STUDIES PROGRAM (24 semester hours)

The Pre-Law Studies Minor at Montclair State University is designed to enhance the preparation of students planning to seek admission to law school by promoting the development of abilities which are considered to be particularly important in the study and practice of law: to reason logically, to analyze complex ideas involving intricate interrelationships, to read with understanding and accuracy, and to write with clarity and precision. Pre-Law Studies is an interdisciplinary program emphasizing critical reasoning, writing and analytical skills. The program offers students a balanced and varied background, enriching the student's academic major, in the acquisition of skills essential for success in the field of law.

Pre-Law Studies Minor

Required Courses: (9 credits)

LSLW 200	Introduction to Law	3
LSPR 312	Foundations of Legal Research	3
LSPR 362	Legal Writing	3

Essential Skills: (9 credits)

ENWR 205	Creative Nonfiction	3
OR		
ENWR 204	Advanced Expository Writing	3
GNHU 182	English Vocabulary: Classical Roots	3
LNGN 250	Language of Propaganda	3
OR		
LSLW 324	Legal Reasoning (Cross listed with PHIL 324)	3
LSPA 290	Language of the Law (Cross listed with LNGN 290)	3
LSPR 210	Law and Litigation	3
MATH 109	Statistics	3
OR		
MATH 270	Statistics for Business	3
OR		
FINQ 270	Statistics for Business	3
PHIL 106	Logic	3
PHIL 264	Critical Reasoning and Argument	3
SPCM 234	Public Speaking	3
SPCM 438	Principles of Persuasion	3

Background Courses: (6 credits)

ACCT 201	Fundamentals of Accounting I	3
OR		
BSED 101	Contemporary Business	3
OR		
ECON 101	Principles of Economics: Macro	3
HIST 117	History of the United States to 1876	3
OR		
HIST 118	History of the United States since 1876	3
LSLW 220	Conflict and Its Resolution	3
OR		
LSPR 315	The Mediation Process and Its Applications	3
OR		
LSLW 499	Selected Topics In Law†	3
OR		
LSLW 388	Trial Techniques and Strategies	3
LSLW 391	Women and the Law	3
PHIL 212	Social and Political Philosophy	3
OR		
PHIL 310	Knowledge, Belief and Truth	3
POLS 101	American Government and Politics	3
OR		
POLS 322	American Constitutional Law: The Federal System	3
OR		
POLS 323	American Constitutional Law: Civil Rights and Liberties	3

Total Semester Hours For The Program24

† LSLW 497 *Pre-Law Seminar and Internship* or LSLW 498 *Cooperative Education: Pre-Law Studies* may be substituted. LSLW 200, LSPR 312 and LSPR 362 are prerequisites. 2.75 grade point average. Open only to juniors and seniors.

Note: Courses in the Pre-Law Studies Minor may also be counted toward the General Education Requirement (GER) where appropriate.

For further information see the Legal Studies Web Page at: <http://www.chss.montclair.edu/legalstudies>

JUSTICE STUDIES MAJOR, PARALEGAL STUDIES CONCENTRATION

The Legal Studies Department, along with the departments of Psychology and Sociology, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Paralegal Studies. The American Bar Association approved Paralegal Studies concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Paralegal Studies concentration may take any minor except Paralegal Studies. Dr. Lenore M. Molee serves as advisor for the Paralegal Studies concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

LSLW 200 INTRODUCTION TO LAW 3.0

An introduction to the meaning and functions of law, the powers and the jurisdiction of the courts. An exploration of traditional and evolving areas of law. A survey of the different professions and career options within the legal field. An assessment of the roles and importance of law in the lives of students and the public. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course.

LSLW 220 CONFLICT AND ITS RESOLUTION 3.0

A study of conflict, its management and resolution. Exploration of conflict management skills, negotiation and mediation. Considerations of culture, gender, race, and age in resolving conflicts. Current developments and practical applications such as peer mediation, negotiation in the workplace, and dispute resolution in the court system. Students may take LSLW 220 or LSPR 308 but, not both courses. Students in the Paralegal Studies minor should take LSPR 308. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Contemporary Issues. Meets the Multicultural Awareness Requirement.

LSLW 315 THE MEDIATION PROCESS AND ITS APPLICATIONS 3.0

Study of the mediation process and its evolution. Analysis of models and applications including: court-annexed, family, municipal court, community, peer, and victim offender mediation. Student participation in role plays, research, and observations of mediation process.

LSLW 324 LEGAL REASONING 3.0

Theoretical foundations for developing models and methods of addressing legal problems. Principles of legal reasoning and argument in the Anglo-American common law tradition. Models of legal reasoning and methodology for resolving legal problems as developed within evolving social and philosophical notions of justice and fairness. Pre-Law Studies Minor. Cross listed with Philosophy and Religion, PHIL 324.

LSLW 360 RIGHTS, LIBERTIES AND AMERICAN JUSTICE 3.0

An integrated approach to the study of individual rights, liberties, and American justice. The development of constitutional law in its social, political, and cultural contexts. The growth of the legal tradition and recent developments in relation to statutory law in shaping the principles of American liberty.

- LSLW 388**
TRIAL TECHNIQUES AND STRATEGIES 3.0
 Strategy, technique and psychology of trials conducted in seminar format is the focus of this class. Students learn trial procedure, rules of evidence and how to implement what they have learned by auditioning for attorney and witness roles, applying theory to an actual legal problem in conjunction with a mock trial, and competition. Students should be prepared to make a time commitment during winter break. Limited enrollment and open only to undergraduates.
- LSLW 390**
INDEPENDENT STUDY IN LAW 3.0
 Guided study of a particular area of law arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of law.
Prerequisite: Departmental approval.
- LSLW 391**
WOMEN AND THE LAW 3.0
 Introduction to and evaluation of the changing patterns of gender-based laws in the United States in terms of the preferences they reflect and the rationales used to justify them. Emphasis on issues which impact upon women's rights, relevant case law which impacts upon the roles and rights of women, and legislation.
- LSLW 400**
HOSPITALITY LAW 3.0
 The goal of this course is to introduce students to the laws and regulations applicable to the ownership and operation of hospitality businesses. It will focus on the legal fundamentals for the hospitality industry with specific emphasis on tort, contract, labor, criminal and labor law. Cross listed with Health Professions, Physical Education, Recreation and Leisure Studies, HOSP 400.
- LSLW 473**
SEMINAR IN LAW AND LITERATURE 3.0
 This course examines the "Law and Literature" movement, an area of study developed within the legal field over the past several decades. The course is devoted to a thematic exploration and examination of the application of the concepts of law and literature and underscores areas of mutual illumination of the two vast bodies of text: legal opinions and works of literature.
- LSLW 497**
PRE-LAW SEMINAR AND INTERNSHIP 3.0
 Field work experience in the legal setting to provide Pre-Law students who have acquired basic skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations.
Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open to juniors and seniors only.
- LSLW 498**
COOPERATIVE EDUCATION: PRE-LAW STUDIES 4.0-8.0
 Academic study integrated with paid employment in the legal setting to provide Pre-Law students who have acquired basic legal skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations.
Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open only to juniors and seniors.
- LSLW 499**
SELECTED TOPICS IN LAW 3.0
 Exploration of a timely and significant area of law. The specific topic will be announced each time that the course is offered.
Prerequisites: Vary according to the topic offered.
- LSPA 290**
LANGUAGE OF THE LAW 3.0
 This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Linguistics, LNGN 290.
- LSPR 210**
LAW AND LITIGATION 3.0
 An introduction to the legal system with a focus on the New Jersey court system. Review of substantive areas of law and application of procedural concepts from initiation of a civil lawsuit through entry of judgment. The unique role and function of attorney and paralegal in the process of client interviewing, ethical considerations, investigation and preparation for trial. Drafting of pleadings and other documents used in litigation and trial. Introduction to Law (LSLW 200) is a recommended prerequisite.
- LSPR 301**
CRIMINAL LAW AND PROCEDURE 3.0
 Legal concepts of criminal law and their application to criminal procedure. Contrast between civil law and criminal law. Study of crimes against persons, property and the public. Searches and seizure, arrest and interrogation. Students may take LSPR 301 or POLS 321 but not both courses as part of the Paralegal minor, the Political Science major or the Criminal Justice minor.
- LSPR 304**
REAL ESTATE LAW 3.0
 Principles of real estate law and transactions. Contracts, mortgages, surveys, title, RESPA. Conveyances of real property from the standpoint of seller and purchaser. Landlord-tenant relations. Forms and documents utilized by paralegals in real estate law.
- LSPR 305**
IMMIGRATION LAW 3.0
 Basic overview of Immigration and Nationality Act, including historical and sociological perspectives of United States immigration. Practice and procedure of immigration law as it pertains to both administrative agency processing and consular processing. Non-immigrant visas, family-based immigration, employment-based immigration, naturalization, removal, asylum and refugee practice. Recent developments in this continually evolving area of law and practice.
- LSPR 306**
CONTRACT LAW 3.0
 Theoretical foundations and practical applications of contract law in the common law tradition as modified by the Uniform Commercial Code. Drafting of contracts.
- LSPR 308**
NEGOTIATION, MEDIATION AND ARBITRATION 3.0
 An in-depth study of complementary forms of dispute resolution as compared and contrasted with the traditional judicial system. Students study the theoretical background and receive training in mediation, negotiation and arbitration. Students may take LSLW 220 or LSPR 308 but not both courses. Students in the Paralegal Studies program should take LSPR 308.
- LSPR 310**
FUNDAMENTALS OF PATENT, TRADEMARK AND COPYRIGHT LAW 3.0
 Substantive principles of patent, trademark and copyright law including categories and standards of patentability, categories of trademarks and categories of copyrightable subject matter. Assignment and licensing of such proprietary rights. Litigation involving acts of infringement including related areas of anti-trust law and unfair competition.
- LSPR 312**
FOUNDATION OF LEGAL RESEARCH 3.0
 Study of principles, methods and applications of legal research. Exploration of sources of law including case law, statutory law, and administrative regulations. The use of a law library. Familiarization with computer-assisted legal research. Cross listed with Justice Studies, JUST 312.
Prerequisite: Not open to freshmen.
- LSPR 316**
SKILLS FOR BILINGUAL LEGAL PERSONNEL 3.0
 Translating, interpreting and cultural fluency as applied to the legal field and in particular to the role of bilingual paralegals.
Prerequisite: Fluency in Spanish required.

- LSPR 317**
EVIDENCE 3.0
 An examination of the basic principles and rules governing trial advocacy in federal and state (New Jersey) cases. Areas to be examined include: the hearsay rule and its exceptions, examination of witnesses (lay and expert); impeachment; privileges; real and demonstrative evidence, inference, judicial notice and presumptions.
- LSPR 322**
WILLS, TRUSTS AND PROBATE LAW 3.0
 Basic concepts, practice, and procedures in wills, probate, and trusts. Includes will drafting, estate planning, probate procedures and estate administration. Forms and questionnaires utilized by paralegals in these areas.
- LSPR 330**
FAMILY LAW 3.0
 Basic concepts of family law practice. Study of ceremonial and common-law marriage, Dissolution of marriage and annulment. Financial consequences, including alimony and property distribution. Child custody, adoption, illegitimacy, paternity, and surrogacy. Domestic violence. Familiarization with New Jersey procedures.
- LSPR 332**
PERSONAL INJURY LAW 3.0
 Legal concepts and terminology of personal injury law, both substantive and procedural. Negligence, medical malpractice, products liability. Drafting of pleadings and other documents utilized by paralegals in personal injury practice.
- LSPR 336**
CORPORATIONS AND PARTNERSHIPS 3.0
 Legal characteristics and tax aspects related to sole proprietorships, partnerships, limited partnerships and corporations. Formation, operation and dissolution of the corporate entity. Drafting of legal forms utilized by paralegals in these areas.
- LSPR 339**
COMPUTER APPLICATIONS IN THE LEGAL ENVIRONMENT 3.0
 Applications of computer software and hardware in the legal environment. Legal applications of word processing, databases, and spreadsheets. Legal software for document generation, document management, financial management, time billing, time and document management, computer-assisted legal research and information management in the workflow process.
Prerequisites: Undergraduates must complete the Computer Science General Education Requirement before taking this course.
- LSPR 362**
LEGAL WRITING 3.0
 Application of legal research, method and analysis to legal writing. Students are required to perform various kinds of legal writing assignments and to demonstrate ability to identify legal problems, analyze them based upon the related law and theory, and solve problems with resulting written work product.
Prerequisite: LSPR 312.
- LSPR 390**
INDEPENDENT STUDY IN PARALEGAL STUDIES 3.0
 Guided study of a particular area of Paralegal Studies arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of Paralegal Studies.
Prerequisite: Departmental approval.
- LSPR 411**
ADVANCED PATENT, TRADEMARK AND COPYRIGHT LAW 3.0
 Procedural principles of patent, trademark and copyright law including prosecution of patent and trademark applications in the United States Patent and Trademark Office, preparation and filing of trademark applications and preparation of applications to register claims to copyright in the United States Copyright Office. Litigation procedures for acts of infringement relating to such proprietary rights.
Prerequisite: LSPR 310.
- LSPR 412**
CONSUMER LAW 3.0
 This course provides students with the theoretical foundations and practical applications of Consumer law. The course utilizes a model and method approach, which presents theory and procedure in a case problem context. The course acquaints students with various traditional legal theories and compares the contrasts them with law as it has evolved to meet new changes in society. Areas to be covered include compulsory disclosure information, consumer claims and defenses, abusive collective practice, state and federal regulation of the cost of credit and alternative dispute resolution.
- LSPR 420**
ADVANCED CIVIL LITIGATION 3.0
 Refinement of substantive and procedural principles relating to all stages of a civil law suit from commencement of suit through judgment and appeal as applied in New Jersey. Theoretical foundations and practical applications in the state court system contrasted with the federal court system.
Prerequisites: LSPR 210 and 312.
- LSPR 437**
ENTERTAINMENT LAW 3.0
 The goal of this course is to provide students with the theoretical foundations and practical applications of entertainment law. The course will utilize a model and method approach, which will present theory and procedure in a case problem context. The course will acquaint students with various traditional legal theories and compare and contrast them with entertainment law as it has evolved to meet the changes in society. Areas to be covered include representing minors, contract preparation, copyright infringement, publishing, theatrical and musical performance, film and television.
- LSPR 438**
TRADEMARK LAW 3.0
 Comprehensive study of procedural and substantive aspects of trademark selection, registration, use, and protection within the context of intellectual property.
- LSPR 441**
ADVANCED COMPUTER SYSTEMS IN THE LEGAL ENVIRONMENT 3.0
 Applications and operation of computer systems, including hardware and software, designed specifically to assist in the practice of law or the management of law office and to provide students with a conceptual basis for evaluation, application and operation of other legal application and systems programs which may become available.
Prerequisites: LSPR 312 and 339.
- LSPR 450**
LAW OFFICE MANAGEMENT AND TECHNOLOGY 3.0
 Theoretical foundations and practical applications of law office management and technology. Hands-on and theoretical problems dealing with work product, human resources, and workflow in assembly, case management, database management, human resource management, and technological interfaces with traditional processes
- LSPR 460**
ADVANCED LEGAL RESEARCH AND WRITING 3.0
 Refinement of principles and methods of legal research in working with statutes, case law and other legal sources. Application of legal research techniques to practical legal problems. Preparation of more complex legal research projects.
Prerequisites: LSPR 312 and 362.
- LSPR 497**
PARALEGAL SEMINAR AND INTERNSHIP 3.0
 Field work experience of 90 hours in a private sector law office, corporation, bank or public sector agency. Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career options.
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval. Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.

LSPR 498

COOPERATIVE EDUCATION: PARALEGAL STUDIES 4.0 or 8.0

Academic study integrated with supervised paid employment situation in the legal environment outside of the formal classroom setting. Part-time (20 hours per week) or full-time (40 hours per week). Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career options.

Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval.

Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.

LSPR 499

SELECTED TOPICS IN PARALEGAL STUDIES 3.0

Exploration of a significant area of Paralegal Studies such as administrative law, bankruptcy, environmental law as well as new and evolving legal areas. The specific topic will be announced each time the course is offered.

LINGUISTICS

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Eileen Fitzpatrick

Human language permeates nearly every facet of our existence and is one of the most important of human activities. The courses in linguistics reflect this fact and explore the many aspects of language: its structure, its history, its relationship to society and to psychological processes, its role in shaping our attitudes, its use in literature, and many other topics.

The department offers general courses for non-majors and specialized courses for majors, as well as a minor program and a variety of courses for students in other fields. In addition, the department offers a choice of a liberal arts major in Linguistics, a Linguistics major with certification in Teaching English as a Second Language (TESL) as a first teaching field, and certification in TESL as a second teaching field. TESL certification is required for teaching ESL in grades K-12 in public schools in the state of New Jersey.

Linguistics majors receive a Bachelor of Arts degree.

Linguistics Major

Required Courses for All Majors: (24 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 300 Syntax	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3

Electives for Liberal Arts: (12 Semester Hours)

LNGN 240 Languages of the World	3
LNGN 255 Language and Gender	3
LNGN 260 Dialectology	3
LNGN 270 History of Linguistics	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 310 Morphology	3
LNGN 325 Principles of Second Language Learning	3
LNGN 370 Comparative and Historical Linguistics	3
LNGN 410 Linguistics and Philosophy	3
LNGN 420 Language and the Mind	3
LNGN 430 Field Methods	3
LNGN 445 Natural Language Processing	3
LNGN 450 Selected Topics in Linguistics	3
LNGN 451 Selected Topics in Linguistics	3
LNGN 478 Independent Study	3
LNGN 479 Independent Study	3
PSYC 290/CMPT 290 Cognitive Science	3
PSYC 348 Psycholinguistics	3
PSYC 490 Seminar in Cognitive Science	3

Total 36

Linguistics Major with TESL Certification

Required Courses for All Majors: (24 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 300 Syntax	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3

Electives for TESL Certification: (12 Semester Hours)

	Semester Hours
LNGN 260 Dialectology	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
LNGN 301 Semantics	3
OR	
LNGN 302 Pragmatics	3
LNGN 325 Principles of Second Language Learning (recommended)	3
LNGN 384 The Grammars of English	3
LNGN 420 Language and the Mind	3
LNGN 450 Selected Topics in Linguistics (with approval of advisor)	3
LNGN 478 Independent Study (with approval of advisor)	3
LNGN 479 Independent Study (with approval of advisor)	3
LNGN 480 Linguistics in Education and Society	3
PSYC 348 Psycholinguistics (recommended)	3

To be eligible for TESL certification students must also be admitted to and fulfill requirements for the Teacher Education Program described elsewhere in this catalog. See Index. Students must have a minimum grade point average (GPA) of 3.0 in their Linguistics courses and a 2.75 GPA overall to be admitted to this program.

Recommended Courses: A non-Indo-European Language (6-12 Semester Hours)

AMSL 101 Beginning American Sign Language I	3
AMSL 102 Beginning American Sign Language II	3
AMSL 201 Intermediate American Sign Language I	3
AMSL 202 Intermediate American Sign Language II	3
ARBC 101/ARAB 101 Beginning Arabic I	3
ARBC 112/ARAB 112 Beginning Arabic II	3
ARBC 121/ARAB 121 Intermediate Arabic I	3
ARBC 132/ARAB 132 Intermediate Arabic II	3
CHIN 101 Beginning Chinese I	3
CHIN 102 Beginning Chinese II	3
CHIN 201 Intermediate Chinese I	3
CHIN 202 Intermediate Chinese II	3
JAPN 101 Beginning Japanese I	3
JAPN 102 Beginning Japanese II	3
JAPN 201 Intermediate Japanese I	3
JAPN 202 Intermediate Japanese II	3

Linguistics Minor

Required Course

	Semester Hours
LNGN 210 Introduction to General Linguistics	3

Electives

Select 15 semester hours from the following	15
LNGN 220 Structure of American English	3
LNGN 230 Language in Society	3
LNGN 245 Language and Culture	3
LNGN 255 Language and Gender	3
LNGN 260 Dialectology	3

LNGN 270 History of Linguistics	3
LNGN 284 History of the English Language	3
LNGN 300 Syntax	3
LNGN 301 Semantics	3
LNGN 325 Principles of Second Language Learning	3
LNGN 331 Phonetics	3
LNGN 332 Phonology	3
LNGN 370 Comparative and Historical Linguistics	3
LNGN 384 The Grammars of English	3
LNGN 450 Selected Topics in Linguistics	3
LNGN 451 Selected Topics in Linguistics	3
LNGN 478 Independent Study in Linguistics	3
PSYC 290/CMPT 290 Cognitive Science	3
PSYC 490 Seminar in Cognitive Science	3

Total 18

Certification Program in Teaching English as a Second Language (TESL) as a Second Teaching Field

Linguistics and ESL Methodology:

Six Required Courses: (18 Semester Hours)

	Semester Hours
LNGN 210 Introduction to General Linguistics	3
LNGN 220 Structure of American English	3
LNGN 245 Language and Culture	3
LNGN 325 Principles of Second Language Learning	3
LNGN 403 Methods and Materials of TESL	3
LNGN 405 Field Experience in TESL	3

Four Recommended Courses: (12 Semester Hours)

LNGN 230 Language in Society	3
LNGN 260 Dialectology	3
LNGN 280 Bilingualism	3
LNGN 284 History of the English Language	3
PSYC 348 Psycholinguistics	3

English as a Second Language (ESL)

The Linguistics Department offers a full sequence of courses in academic English as a Second Language for students whose first language is not English. Class placement is determined through Language Placement Testing. See index.

	Semester Hours
ESOL 051 Intensive ESL I	6
ESOL 152 Intensive ESL II	6
ESOL 153 Intensive ESL III	6
ESOL 154 Intensive ESL IV Advanced Composition	6
ESOL 161 Intermediate Listening and Speaking Skills for Second Language Learners	3
ESOL 162 Intermediate Academic Reading for Second Language Learners	3
ESOL 163 Intermediate Academic Writing for Second Language Learners	3
ESOL 171 Academic Listening and Speaking	3
ESOL 172 Academic Reading	3
ESOL 173 Academic Writing	3
ESOL 310 ESL - Advanced Oral Skills	3
ESOL 311 ESL - Advanced Listening Comprehension	3
ESOL 400 English and Academic Skills	3
ESOL 420 Research Paper Writing for Advanced Second Language Learners	3
ESOL 450 Selected Topics in ESL	3

Courses of Instruction

AMSL 101

BEGINNING AMERICAN SIGN LANGUAGE I 3.0

This course introduces students to American Sign Language (ASL). Students will master basic structures of ASL. They will acquire a sizeable vocabulary, and they will achieve the ability to participate in conversations on a variety of topics. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

AMSL 102

BEGINNING AMERICAN SIGN LANGUAGE II 3.0

This course is a continuation of AMSL 101 and is designed to further students' command of American Sign Language (ASL). They will learn additional ASL structures; they will add to their vocabulary; and they will improve their fluency in conversation. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: AMSL 101. Special fee.

AMSL 201

INTERMEDIATE AMERICAN SIGN LANGUAGE I 3.0

This course builds on the skills acquired in Beginning ASL I and II. Emphasis will be on acquiring the ability to use ASL to converse about a wider range of topics. Students will increase their vocabularies, learn additional sentence types, and improve their skills in the use of the Manual Alphabet.

Prerequisite: AMSL 102. Special fee.

AMSL 202

INTERMEDIATE AMERICAN SIGN LANGUAGE II 3.0

This course is a continuation of AMSL 201. In addition to an increased vocabulary and greater fluency in the use of ASL, students will learn several structures that are absent from English and many other familiar languages.

Prerequisite: AMSL 201. Special fee.

ARBC 101

BEGINNING ARABIC I 3.0

A basic introduction to the Arabic language, with emphasis on speaking, reading, writing, and listening through classroom drill and communicative activities. Cross listed with French, German, and Russian, ARAB 101. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

ARBC 112

BEGINNING ARABIC II 3.0

For students who have completed Beginning Arabic I. Continuation of basic skills, intensive vocabulary practice through reading texts on culture and life of the Arabic-speaking world. Cross listed with French, German, and Russian, ARAB 112. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

ARBC 121

INTERMEDIATE ARABIC I 3.0

This course is designed for students who have completed Beginning Arabic I and Beginning Arabic II at Montclair State University or students who have been placed at this level. The course builds on the listening skills developed in Beginning Arabic but focuses on reading and writing using representative literature studies of Arab culture. Laboratory work available. Cross listed with French, German, and Russian ARAB 121.

ARBC 132

INTERMEDIATE ARABIC II 3.0

For students who have completed intermediate Arabic I at Montclair State University or students who have been placed at this level. Advanced development of listening comprehension, speaking, reading and writing through the study of authentic texts, representative works and characteristic aspects of Arab life and culture. Laboratory work is available. Cross listed with French, German and Russian, ARAB 132.

CHIN 101

BEGINNING CHINESE I 3.0

The first semester of an introduction to the Chinese language (Mandarin), focusing mainly on speaking and comprehension, with secondary emphasis on reading and writing. Meets Gen Ed 2002-World Languages. Meets the 1983 General Education Requirement (GER)-Foreign Language.

Prerequisite: Special fee.

- CHIN 102**
BEGINNING CHINESE II 3.0
 The second semester of an introduction to the Chinese language (Mandarin), focusing mainly on speaking and comprehension, with secondary emphasis on reading and writing. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: CHIN 101. Special fee.
- CHIN 201**
INTERMEDIATE CHINESE I 3.0
 This is the first semester of a second year course in the Chinese language (Mandarin). The course will continue to build the skills in spoken Chinese developed in Beginning Chinese I and II. However, the focus of this course will be reading and writing. The reading and writing components will be gradually increased to at least fifty per cent of the course content. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: CHIN 101 and 102 or equivalent. Special fee.
- CHIN 202**
INTERMEDIATE CHINESE II 3.0
 This course will complete the Intermediate Chinese (Mandarin) sequence. The increased emphasis on reading and writing, begun in Intermediate Chinese I, will continue. Reading and writing skills, along with vocabulary building, will be the focus of the course, although speaking will continue to be important. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: CHIN 101 and 102 and 201 or equivalent. Special fee.
- ESOL 051**
INTENSIVE ESL I 6.0
 This course is the first in a sequence of four courses for students whose first language is not English. The course aims to develop all four language skills: listening, speaking, reading and writing emphasizing listening comprehension and speaking. The class will meet twice a week for two and a half hours each session. Credits not applicable toward graduation.
Prerequisite: Placement examination required. Special fee.
- ESOL 152**
INTENSIVE ESL II 6.0
 The course is the second in a sequence of four courses for students whose first language is not English. The course aims to continue the development of all four skills: listening, speaking, reading, writing, with special emphasis on reading and vocabulary development. The class will meet twice a week for two and one half hours.
Prerequisite: ESOL 051 or placement examination. Special fee.
- ESOL 153**
INTENSIVE ESL III 6.0
 This is the third in a sequence of four courses for students whose first language is not English. The course is a continuation of ESL II with increased emphasis on reading and writing. The course meets twice a week for two and a half hours.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 154**
INTENSIVE ESL IV ADVANCED COMPOSITION 6.0
 This is the fourth in a sequence of four courses for students whose first language is not English. The course continues working on speaking, listening and reading skills but puts primary emphasis on formal writing. Students will write compositions, essays, etc. focusing on the techniques necessary for academic writing. The class will meet twice a week for two and a half hours.
Prerequisite: ESOL 153 or placement examination. Special fee.
- ESOL 161**
INTERMEDIATE LISTENING AND SPEAKING SKILLS FOR SECOND LANGUAGE LEARNERS 3.0
 This course is an intermediate level course for learners of English. The major focus of the course is on developing fluency and accuracy in speaking and understanding English. Students will learn to narrate, describe, and use outlines and notes to organize presentations. They will also be exposed to authentic English discourse so that they learn to listen for the main idea, identify supporting details, and recognize digressions in conversation as well as in more formal speech.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 162**
INTERMEDIATE ACADEMIC READING FOR SECOND LANGUAGE LEARNERS 3.0
 This is an intermediate level course for learners of English. The course focuses on the development of reading for fluency (without translation) to help students develop the skills necessary for success in college-level courses taught in English. Students will read academically-oriented materials and explore more culturally-based selections such as commercials and advertisements.
Prerequisite: ESOL 152 or placement examination.
- ESOL 163**
INTERMEDIATE ACADEMIC WRITING FOR SECOND LANGUAGE LEARNERS 3.0
 This is an intermediate level course for learners of English. The course introduces the student to the process of writing and focuses on the development of paragraphs. As students move from personal to academic writing, linguistic accuracy will be refined through an intensive review of grammar, punctuation and sentence structure.
Prerequisite: ESOL 152 or placement examination. Special fee.
- ESOL 171**
ACADEMIC LISTENING AND SPEAKING 3.0
 This is an advanced level course for learners of English. The major focus of the course is on developing the oral communication skills necessary for participation in university level courses taught in English. During the course, students will practice pronunciation, grammatical and listening comprehension skills. Strategies of classroom interaction will also be integrated into the coursework.
Prerequisite: ESOL 161 or placement examination. Special fee.
- ESOL 172**
ACADEMIC READING 3.0
 This is an advanced level course for students whose native language is not English. The major focus of the work in this course is the comprehension of academic English, which is characteristic of university level texts. During the course, students will read texts, participate in classroom discussions and prepare written work based on the texts.
Prerequisite: ESOL 162 or placement examination.
- ESOL 173**
ACADEMIC WRITING 3.0
 This is an advanced level course for students whose native language is not English. The major focus of this course is the preparation of written work in academic English. During the course, students will prepare assignments typical of the kinds of writing required in university level content courses in the United States.
Prerequisite: ESOL 163 or placement examination. Special fee.
- ESOL 310**
ESL - ADVANCED ORAL SKILLS 3.0
 The course is designed to improve the oral language skills of non-native English speakers whose background has emphasized the skills of reading and writing. The course is intended to help develop oral proficiency in students whose oral comprehension and ability to make themselves understood is weak. The course will concentrate on the skill of speaking.
Prerequisite: ESOL 152 or 153 or 154. Special fee.
- ESOL 311**
ESL - ADVANCED LISTENING COMPREHENSION 3.0
 This course is designed to improve the comprehension of spoken English by the non-native speaker whose writing and speaking is acceptable but who has difficulty following classroom lectures and conversations among English speakers.
Prerequisite: ESOL 152 or 153 or 154. Special fee.
- ESOL 400**
ENGLISH AND ACADEMIC SKILLS 3.0
 This course is designed to prepare international graduate students whose English skills need improvement for academic success in classes where English is the medium of instruction. The course will have two major goals: to enhance the students' ability to do academic work in English and to develop in the students an understanding of the culture of North American classrooms.
Prerequisite: Placement examination required. Special fee.

- ESOL 420**
RESEARCH PAPER WRITING FOR ADVANCED SECOND LANGUAGE LEARNERS 3.0
 This is an advanced level course for students whose native language is not English. Students will learn the process (generating topics, formulating theses, drafting, documenting sources, revising, editing and proofreading) of writing a research paper. Students may take this course in conjunction with a content area course requiring a research paper and use the content course paper to meet the requirements of this course.
Prerequisite: ESOL 173 or ESOL 400 or placement examination. Special fee.
- ESOL 450**
SELECTED TOPICS IN ESL 3.0
 Study of English as a second language for special purposes (for example, English for Business or English for History) or the study of particular aspects of English as a second language (for example, Accent Reduction or Note Taking). Topics announced each semester.
Prerequisite: Placement examination or departmental approval.
- JAPN 101**
BEGINNING JAPANESE I 3.0
 A basic introduction to the Japanese language, with emphasis on speaking and understanding. The fundamentals of the Japanese writing system will also be introduced. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- JAPN 102**
BEGINNING JAPANESE II 3.0
 A continuation of Beginning Japanese I. Additional vocabulary and more complex grammatical forms will be introduced. The emphasis remains on speaking and understanding. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: JAPN 101 or equivalent. Special fee.
- JAPN 201**
INTERMEDIATE JAPANESE I 3.0
 This course continues JAPN 101 and 102 Beginning Japanese I and II and will build on the skills that students have developed in those courses. Students will learn to use a wider variety of more complex structures; they will acquire significantly increased vocabulary; they will improve their pronunciation; and they will gradually gain mastery of the two most difficult aspects of Japanese: its writing system and its system of honorifics. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: JAPN 102 or equivalent. Special fee.
- JAPN 202**
INTERMEDIATE JAPANESE II 3.0
 This course builds on the skills that students have developed in JAPN 201 and will help the students refine their mastery of the spoken and written language, the vocabulary, the grammar, and the writing system. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: JAPN 201 or equivalent. Special fee.
- LNGN 210**
INTRODUCTION TO GENERAL LINGUISTICS 3.0
 The nature and structure of language; the basic techniques for analyzing linguistic structures; phonological, morphological, syntactic and semantic structure of languages, language and dialects; language change; the comparative method in linguistics; human and animal communication; differences between first and second language learning. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course.
- LNGN 220**
STRUCTURE OF AMERICAN ENGLISH 3.0
 The phonology, morphology, syntax of American English, geographical and social dialects; traditional, structural and transformational approaches to grammar. Meets the 1983 General Education Requirement (GER)–Foreign Language.
- LNGN 230**
LANGUAGE IN SOCIETY 3.0
 Correlations between language varieties, their functions in particular settings, and the characteristics of their speakers. Black English. The role of second languages within a society: Pidgin, Creole, Lingua Franca, Diglossia, etc. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.
- LNGN 240**
LANGUAGES OF THE WORLD 3.0
 A survey of the languages of the world from the dual perspectives of their genealogical classification and their typological (or structural) characteristics. It is intended for both majors and non-majors, and presupposes no previous linguistic training.
- LNGN 245**
LANGUAGE AND CULTURE 3.0
 A study of language in its cultural context. Relationship of linguistic to non-linguistic variables: ethnosemantics, linguistic relativity principle, componential analysis. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.
- LNGN 250**
LANGUAGE OF PROPAGANDA 3.0
 This course is a multidisciplinary approach to the study of the use of language to manipulate and influence opinions via advertising, innuendo, jargon, emotive language, etc. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.
- LNGN 255**
LANGUAGE AND GENDER 3.0
 A sociolinguistic study of the interaction of language with sex and gender. The course includes a survey of the literature on language and gender plus practical experience in collecting and analyzing linguistic data. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
- LNGN 260**
DIALECTOLOGY 3.0
 Principles of dialect study; application to American dialects. The origin and development of American dialects in historical, literary, regional, social and urban perspectives.
- LNGN 270**
HISTORY OF LINGUISTICS 3.0
 Linguistics from the ancient Sanskrit grammarians to the present. Present-day ‘schools’: structuralism, glossematics, Prague school, London school, tagmemics, stratificational grammar, transformational grammar.
- LNGN 280**
BILINGUALISM 3.0
 Compound and coordinate bilingualism; attitudes, motivation, etc.; functions of languages in multilingual settings; problems of newly-independent, multilingual nations in establishing national and standardized languages; analysis of bilingual speech; problems of educating minority groups in this country whose native language is not English.
- LNGN 284**
HISTORY OF THE ENGLISH LANGUAGE 3.0
 English from its Indo-European origins up to and including the eighteenth-century grammarians. The Germanic strains; old, middle and modern English.
- LNGN 290**
LANGUAGE OF THE LAW 3.0
 This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Legal Studies, LSPA 290.

- LNGN 300**
SYNTAX 3.0
 The study of sentence structure and the theories designed to describe it. Emphasis on structural grammar, the development of Generative Grammar and contemporary theoretical methods for describing sentence structure. Data will be taken from a number of different languages. Meets the University Writing Requirement for LIED, LING majors.
Prerequisite: LNGN 210 or departmental approval.
- LNGN 301**
SEMANTICS 3.0
 The systematic and objective study of meaning in language. Topics include: referential meaning, semantic fields, componential analysis, synonymy, polysemy, hyponymy and sequential meaning. Data will be taken from a number of different languages.
Prerequisite: LNGN 300.
- LNGN 302**
PRAGMATICS 3.0
 The study of pragmatics, an area of linguistics that examines language as situated speech and studies how context affects the interpretation of meaning.
Prerequisite: LNGN 300.
- LNGN 310**
MORPHOLOGY 3.0
 Morphology is the study of the structure of words. Students will learn to analyze words by working with data from many languages, and they will study the kinds of morphological systems that exist in the languages of the world.
Prerequisite: LNGN 210.
- LNGN 325**
PRINCIPLES OF SECOND LANGUAGE LEARNING 3.0
 Theories of second language acquisition; error analysis; individual learner differences; the roles of input, interaction, and formal instruction in language acquisition.
- LNGN 331**
PHONETICS 3.0
 A comprehensive introduction to phonetics, the study of the production of speech sounds and their acoustic characteristics. Students will learn to identify, classify, and transcribe sounds from a variety of languages. While intended primarily for Linguistics majors, this course will also be of interest to prospective language teachers and to majors in Speech, in Psychology, and in Communication Sciences and Disorders.
Prerequisite: Special fee.
- LNGN 332**
PHONOLOGY 3.0
 Phonology studies how languages make use of a particular subset of all the possible speech sounds in a systematic way to produce meaningful units like words and sentences. The objectives of this course will be to give students experience in analyzing phonological data from a wide variety of languages and to survey current theories of phonology.
Prerequisites: LNGN 331.
- LNGN 370**
COMPARATIVE AND HISTORICAL LINGUISTICS 3.0
 Similarities and differences among languages and language families at one point in time and as these develop in time; reconstructing the common ancestor of related languages and determining general laws of linguistic change.
- LNGN 384**
THE GRAMMARS OF ENGLISH 3.0
 A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as a means of more effective writing and literary analysis. Cross listed with English, ENGM 384.
- LNGN 403**
METHODS AND MATERIALS OF TESL 3.0
 The theory and practice of ESL instruction covering the major methodologies, planning lessons, testing language skills, selecting and developing materials and related topics.
- LNGN 405**
FIELD EXPERIENCE IN TEACHING ENGLISH AS A SECOND LANGUAGE 3.0
 Opportunity to teach English as a second language will be arranged for each student in the program.
- LNGN 420**
LANGUAGE AND THE MIND 3.0
 An introduction to the major theoretical and methodological principles of Noam Chomsky's theory of Universal Grammar and what they tell us about structure of the human mind.
Prerequisite: LNGN 210 or PSYC 290.
- LNGN 430**
FIELD METHODS 3.0
 Collecting linguistic data from an informant; human factors in field work; qualifications of the informant; elicitation techniques.
- LNGN 445**
NATURAL LANGUAGE PROCESSING 3.0
 This course introduces students to the field of Natural Language Processing, that is, of the applications of computer technology to linguistics. The major topics will include language generation, syntactic parsing, and the analysis and synthesis of speech. Students will learn to write programs in PROLOG, one of the most widely used computer languages in language and artificial intelligence applications.
Prerequisite: Special fee.
- LNGN 450**
SELECTED TOPICS IN LINGUISTICS 3.0
 Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.
- LNGN 451**
SELECTED TOPICS IN LINGUISTICS 3.0
 Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.
- LNGN 460**
TOPICS IN THE STRUCTURE OF A SELECTED LANGUAGE 3.0
 An exploration of a single topic or a small set of topics related to a specific language. Selections of the topic(s) and language will depend on the interests of the students and the instructor, and on the availability of relevant material. The topics will be of general relevance to linguistics, and might relate to phonological, morphological, syntactic, semantic, sociolinguistic, historical, or other issues.
Prerequisite: Departmental approval.
- LNGN 478**
INDEPENDENT STUDY 3.0
 This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.
- LNGN 479**
INDEPENDENT STUDY 3.0
 This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.

MANAGEMENT

SCHOOL OF BUSINESS ADMINISTRATION

Chairperson: Byung Min

The department offers a Bachelor of Science degree in Business Administration with a concentration in Management. Students whose concentration is in Management learn about the actual operation of business organization and how to be an effective business leader/manager. Managers must have a thorough understanding of human behavior in organizations in this 21st century's global business environment. Management students will be given opportunities to develop managerial skills in human resources management, small business management, interpersonal relations, international business management and/or strategic management.

The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number.

Business Administration Major

Required Courses

	Semester Hours
ACCT 201 Fundamentals of Financial Accounting	3
ACCT 202 Fundamentals of Managerial Accounting	3
BSLW 264 Legal, Ethical and Global Environment of Business	3
FINC 321 Fundamentals of Finance	3
INFO 270 Statistics for Business	3
INFO 371 Management Information Systems	3
INFO 375 Operations Analysis	3
MGMT 231 Management Processes	3
MGMT 439 Business Policy	3
MKTG 240 Introduction to Marketing	3
MKTG 346 Introduction to International Business	3

Collateral Courses

ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
INFO 273 Introduction to Computers in Business	3
MATH 114 Mathematics for Business II: Calculus	3

Concentration in Management

The concentration in management provides professional education in organization theory and behavior, the management of human resources, operations, and small business management.

Required Courses

	Semester Hours
MGMT 316 Human Resources Management	3
MGMT 495 Contemporary Issues in Management	3

Select 2 courses from the following list of approved electives	6
MGMT 315 Organizational Behavior	3
MGMT 318 Motivation and Leadership	3
MGMT 327 Training, Development and Career Planning	3
MGMT 331 Family Business	3
MGMT 335 Small Business Management	3
MGMT 336 International Business Management	3
MGMT 363 Business and Society	3
MGMT 392 Management Internship	3
MGMT 414 Management Theories: Behavioral Approaches	3
MGMT 415 Organizational Theory: Macro Approaches	3
MGMT 416 Problems in Human Resources Management	3
MGMT 417 Compensation Management	3
MGMT 433 Entrepreneurship and Innovation	3
MGMT 434 Comparative Management Systems	3
MGMT 435 Organizational Development and Change	3
MGMT 436 Project Management	3
MGMT 491 Small Business Institute	3
MGMT 492 Selected Topics in Management	3

Business Administration Electives

Select 15 semester hours from the appropriate list to be obtained from the department 15

Courses of Instruction

MGMT 231 MANAGEMENT PROCESSES 3.0

To provide undergraduate students a review of classical and modern approaches to the managerial process as it relates to the manager's functions of planning, organizing, communication, motivation, leading, controlling and managing change. Emphasizing new forces in the managerial environment such as workplace diversity and economic globalization, these reviews will be tied to the open-system model and the contingency approach as overall frameworks for understanding organizations and management.

MGMT 315 ORGANIZATIONAL BEHAVIOR 3.0

Major approaches to the study of organizations. Organizational systems and structure, systems of communication, power and influence, organizational conflict, coordination and control, leadership, motivation, interpersonal dynamics and change and renewal.

Prerequisite: MGMT 231.

MGMT 316 HUMAN RESOURCE MANAGEMENT 3.0

Motivating managerial and non-managerial employees; effective use of human resources in the organization. The personnel function, techniques of job analysis, description and evaluation, and overall organizational development particularly with minority group members and female employees. Meets the University Writing Requirement for BAIB, BAMG majors.

Prerequisites: MGMT 231; junior standing; Business Administration, Allied Health Services, Recreation Professions and Human Ecology majors only.

MGMT 318 MOTIVATION AND LEADERSHIP 3.0

In-depth analysis of the human element; analytical models to assist in the solution of leadership problems in an organizational context. Techniques of analysis and the psychology of self-esteem. Motivational problems facing first-line, middle, and top level managers in professional and nonprofessional work activities. The development of skills for practical application case studies.

Prerequisite: MGMT 231.

MGMT 327 TRAINING, DEVELOPMENT, AND CAREER PLANNING 3.0

Theory and design of training, development and career planning programs. Assessment of training needs, training and development methods and procedures for evaluating training are considered. Some emphasis is placed on the development of managerial skills through student workshops.

Prerequisite: MGMT 316.

MGMT 331 FAMILY BUSINESS 3.0

Family businesses are an important force in the U.S. economy, contributing over 50% of the country's gross domestic product. This course explores unique challenges and opportunities involved in managing a family business. Some key issues to be covered are dynamics of family interactions with family business culture, market strengths and weaknesses of family-owned firms, and leadership succession. May be repeated once for a total of six credits.

Prerequisite: MGMT 231.

MGMT 335 SMALL BUSINESS MANAGEMENT 3.0

The problems and opportunities of starting and operating a small business. Capital accumulation, adapting technologies to specialized needs, assessing local market opportunities, governmental aids, establishing working relationships with large organizations and problems of growth.

Prerequisites: ACCT 202 and ECON 101 and ECON 102 and MGMT 231 and MKTG 240.

MGMT 336 INTERNATIONAL BUSINESS MANAGEMENT 3.0

Managing organizations in foreign markets is much more complex than managing them in the domestic market. This course emphasizes international/cross-cultural management, including the impact of the foreign country's culture, legal system, government, economics, technology, and political system on entry strategies, organizational structures, leadership styles, motivation techniques, human resources management, and controls.

Prerequisite: MGMT 231.

- MGMT 363**
BUSINESS AND SOCIETY 3.0
 Business as an institution in our pluralistic society; its relationship with other societal elements such as government, academia, labor and the consumer. American business past, present and future; strengths, weaknesses and overall contribution to society; ecology, minority groups and the quantity and quality of economic growth. Meets 1983 the General Education Requirement (GER)—Contemporary Issues.
- MGMT 392**
MANAGEMENT INTERNSHIP 3.0
 The Management Internship posts the student to a real business to perform actual management tasks in a going business concern. The student focuses on the practical needs of the business while maintaining liaison with a course coordinator in the Department of Management. Compensation for the assignment is at the discretion of the firm. The firm will assign and monitor meaningful intern tasks and achievements. The primary evaluator of student achievement is the host business supervisor. May only be taken for one semester for credit.
Prerequisites: MGMT 231 and MGMT 316; senior standing; Management concentration students only; department approval.
- MGMT 414**
MANAGEMENT THEORIES: BEHAVIORAL APPROACHES 3.0
 Advanced analysis of the most recent developments in the behavioral sciences as a basis for practical applications in the management of organizations. Special emphasis on techniques drawn from several behavioral models including approaches such as transactional analysis and behavior modification.
Prerequisite: MGMT 231.
- MGMT 415**
ORGANIZATIONAL THEORY: MACRO APPROACHES 3.0
 A detailed analysis using the most up-to-date theories in the field of organizational analysis as it pertains to the management of organizations. Emphasis is placed on the application and understanding of macro models of human behavior in organizations to include such approaches as natural, rational and open systems models.
Prerequisite: MGMT 231 or MGMT 315.
- MGMT 416**
PROBLEMS IN HUMAN RESOURCES MANAGEMENT 3.0
 A review of the principal personnel functions with respect to current research from the behavioral sciences that impact human resources management practices. Emphasis is on the solution of typical problems and the making of sound personnel decisions based on legal cases, scientific results relative to selection, tracking, performance appraisal, manpower planning and compensation. *Prerequisites: MGMT 316; Management concentration students only.*
- MGMT 417**
COMPENSATION MANAGEMENT 3.0
 Theory and practice in employee age and salary administration in both business and non-business organization. Traditional job evaluation methods and survey techniques are presented with emphasis on both the economic and behavioral effects of compensation practices.
Prerequisites: MGMT 316; Business Administration majors.
- MGMT 433**
ENTREPRENEURSHIP AND INNOVATION 3.0
 Attitudes and perspectives for effecting meaningful and profitable change. Concepts of creativity, optimum use of resources, and the impact of technological change. Anticipating needs and wants of all groups influenced by the enterprise; examples of successful entrepreneurship, role-playing and situational exercises.
Prerequisite: MGMT 231 and FINC 321 and MKTG 240.
- MGMT 434**
COMPARATIVE MANAGEMENT SYSTEMS 3.0
 Multi-national corporations expanding into areas with new sociological and cultural constraints. Problems of management in the public sector as contrasted with the private sector. Management in newly-developed economies and in highly-industrialized economies; public corporations, non-profit organizations, mixed enterprise.
Prerequisite: MGMT 231.
- MGMT 435**
ORGANIZATIONAL DEVELOPMENT AND CHANGE 3.0
 Purpose of this course is to develop an understanding of and some skill in the process of planning, introducing, and managing change in organizations. Considerable time will be devoted to the role of the manager as a change agent. Cases and experiential exercises will be used to illustrate the various phases of the change process as well as the different change techniques available.
Prerequisites: MGMT 231; majors only; departmental approval.
- MGMT 436**
PROJECT MANAGEMENT 3.0
 This course prepares students to develop a project management plan, develop schedules, estimate personnel requirements and estimate costs and delays for typical project management problems in business. May be repeated once for a total of six semester hours.
Prerequisites: MGMT 231 and MGMT 316 and INFO 375.
- MGMT 439**
STRATEGIC MANAGEMENT 3.0
 This is the capstone course in the Business curriculum which requires students to integrate and build on the knowledge and skills acquired in the business core courses. The course emphasizes the use of business skills in the formulation and implementation of strategy through processes such as stake holder audits, industry analysis, value chain analysis, identification of capabilities and competence, and business and corporate strategy selection in both the domestic and international context. To accomplish this the case study instructional method is used as the primary format.
Prerequisites: ACCT 202 and FINC 321 and MGMT 231 and MKTG 240; senior standing; School of Business majors only.
- MGMT 491**
SMALL BUSINESS INSTITUTE 3.0
 A field studies course providing management assistance to small businesses in the local community. Student work individually or in small groups under faculty supervision directly with a small business person who has requested their counseling services. Students gain experience in problem solving and in applying marketing, accounting, finance and/or management concepts to actual business situations. The course is focused on the preparation and delivery of the students' consulting report to the client at the end of the semester.
Prerequisites: MGMT 231, MKTG 240, FINC 321.
- MGMT 492**
SELECTED TOPICS IN MANAGEMENT 1.0-3.0
 The content of this course varies with each offering. Its purpose is to provide for the comprehensive development and study of an advanced topic of current interest not covered in-depth in the regular curriculum. Examples of topics covered in the past include: labor relations; women in management; and data base management systems.
Prerequisite: Departmental approval.
- MGMT 495**
CONTEMPORARY ISSUES IN MANAGEMENT 3.0
 The capstone course in management that addresses issues at the forefront of management practice and scholarship. Delivered in a seminar and experiential format, this course will cover topics such as Teams and Teamwork, Learning Organizations and Creativity, and New Forms of Organizing such as telecommuting.
Prerequisites: Senior standing; MGMT 231 and MKTG 346 and INFO 371.

MARKETING

SCHOOL OF BUSINESS

Chairperson: John McGinnis

Marketing as a discipline involves itself with analyzing consumer and industrial needs in a constantly changing environment. Marketing managers then take this information and reflect it in an appropriate marketing strategy that is congruent with those needs.

The programs in this department provide students with a knowledge of the theoretical and practical aspects of the discipline. Courses in advertising, consumer behavior, sales concepts and practices, retail store marketing and management, marketing research and strategies prepare students for entry-level positions and potential advancement in marketing careers. Our program in international business provides awareness of international market opportunities, export/import licensing and a well chosen sequence of courses sharpening analytical, creative, and decision-making skills.

The department offers a Bachelor of Science degree in Business Administration with the following three concentrations available: International Business; Marketing; and Retail Merchandising and Management. The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number.

Business Administration Major

Required Courses

		Semester Hours
ACCT	201 Fundamentals of Financial Accounting	3
ACCT	202 Fundamentals of Managerial Accounting	3
BSLW	264 Legal, Ethical and Global Environment of Business	3
FINC	321 Fundamentals of Finance	3
INFO	270 Statistics for Business	3
INFO	371 Management Information Systems	3
INFO	375 Operations Analysis	3
MGMT	231 Management Processes	3
MGMT	439 Business Policy	3
MKTG	240 Introduction to Marketing	3
MKTG	346 Introduction to International Business	3

Collateral Courses

ECON	101 Principles of Economics: Macro	3
ECON	102 Principles of Economics: Micro	3
INFO	273 Introduction to Computers in Business	3
MATH	114 Mathematics for Business II	3

Concentration in Marketing

Required Courses

MKTG	442 Marketing Research	3
MKTG	446 Marketing Strategy and Implementation	3
Select one of the following:		
MKTG	307 Retail Store Marketing and Management	3
MKTG	341 Consumer Behavior	3
MKTG	443 Business to Business Marketing	3
Select two additional courses from departmental offerings (MKTG)		

Business Administration Electives

Select 12 semester hours from the list of approved Business Administration electives 12

Concentration in International Business

Required Courses

	Semester Hours
ECON 402 International Economics	3
Select at least one of the following:	
MKTG 347 Export/Import Marketing Process	3
MKTG 349 International Marketing	3

Select two courses from the following:

ECON 403 Comparative Economic Systems	3
FINC 327 International Financial Management	3
FINC 431 Advanced International Financial Management	3
INBS 392 International Business Internship	3
MGMT 336 International Business Management	3
MKTG 347 Export/Import Marketing Process	3
MKTG 349 International Marketing	3
MKTG 440 International Retailing	3

Business Administration Electives

Select any four courses from the list of approved Business Administration Electives.

Select any one from the following list

INFO 320 Business Communication	3
MKTG 442 Marketing Research	3
MKTG 483 Seminar in Retail Management	3
MKTG 316 Human Resource Management	3

Concentration in Retail Merchandising and Management

Required Courses

	Semester Hours
MKTG 307 Retail Store Marketing and Management	3
MKTG 309 Buying and Distribution Strategies	3
MKTG 351 Supervised Work Experience and Seminar I	3
MKTG 482 Independent Owned and Franchised Retailer	3
MKTG 483 Seminar in Retail Management	3

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department 12

Courses of Instruction

INBS 392	INTERNATIONAL BUSINESS INTERNSHIP	1.0-3.0
----------	-----------------------------------	---------

Students are afforded an opportunity to apply classroom theoretics to practical international business issues. Working with regional small and mid-size businesses, the students' training allows them to compile database market feasibility studies for clients of the International Trade Counseling Center (ITCC). Additional assignments may include: evaluation of the firm's export readiness, basic export/import education, development of customized international marketing plans as well as information about documentation and licensing requirements.

Prerequisite: Departmental approval.

MKTG 240	INTRODUCTION TO MARKETING	3.0
----------	---------------------------	-----

This introductory course is designed to expose the student to the basic areas that comprise marketing as a discipline. Marketing is viewed as a process that must be integrated with all other business functions. The basic theories, concepts, language and tools of marketing are introduced and illustrations of their applicability to the business as well as non-profit sectors of the national economy with increasing stress on the global realities which affect the marketing function is addressed. The increasingly powerful global realities which affect marketing are treated with enhanced coverage.

- MKTG 307**
RETAIL STORE MARKETING AND MANAGEMENT 3.0
Detailed coverage of the organization of retail stores and the responsibilities in each area are important studies of this course. Problems involved in the operation of a retail organization, and the preparation for the opening of such a business is studied. The movement of merchandise from resources to the store (logistics) is part of the subject matter. The preparation of the merchandise for resale, the use of computers, uniform product codes, inventory control are primary subject areas covered. Subject matter includes current developments, challenges and dangers in retailing. The changes and challenges to shopping malls, the growth and effect of category killers and the consolidation of retail ownership are important areas discussed. Retail executives visit classroom to contribute to the class work.
Prerequisite: MKTG 240. Major within the School of Business; Human Ecology majors.
- MKTG 309**
BUYING AND DISTRIBUTION STRATEGIES 3.0
Buying practices that have changed since the development of giant retail organizations (Wal-Mart and Home Depot) are studied and the effect it has had on "traditional" buying. Other areas covered are the functions of the merchandise division and the job challenges today. Micro-retailing, the buying and merchandise problems of today's stores are covered. Physical handling, comparison shopping, planning the buyer's budget and the six-month buying plans are also important topics. Buying for fashion vs. staple merchandise is compared as are the different problems of buying for a large or small retail firm. Resident buying offices and foreign buying are important topics in this buying course.
- MKTG 341**
CONSUMER BEHAVIOR 3.0
An examination and analysis of consumer behavior related theories and concepts, which contribute towards successful domestic and international marketing management. This will include understanding behavioral science findings; market research techniques and consumer attitudes; socio-economic and demographic variables as they apply to end-user consumers.
Prerequisite: MKTG 240. Major within the School of Business; Human Ecology majors; Recreation Professions major.
- MKTG 342**
SALES CONCEPTS AND PRACTICES 3.0
Understanding the organization, administration and evaluation of the selling function within the firm. Topics will include: mechanics of the selling process, developing personal attributes necessary for a career in sales; selection, training, and supervision; performance evaluation; compensation and motivation of sales personnel and relationship with other marketing functions.
Prerequisite: MKTG 240.
- MKTG 344**
ADVERTISING THEORY AND TECHNIQUES 3.0
A broad introduction to advertising, promotion and marketing communications: historical roots of advertising; advertising from the viewpoint of clients, ad agencies and media; and both the marketing aspects (strategy development; account management) and creative aspects (copyrighting; art direction production and editing) of advertising. Covers all forms of advertising: print, broadcast; out-of home; and the latest advertising media such as direct mail and response; cable TV; and internet/interactive. In addition to traditional lectures, guest lectures are provided by the advertising professionals. Students also have a practical opportunity to create ads and commercials.
Prerequisite: MKTG 240.
- MKTG 345**
SERVICE AND NONPROFIT MARKETING 3.0
While noting the increasingly blurred distinguishment between the manufacturing and service sectors in today's post industrial economies, the first half of this course focuses on the problems and issues surrounding the effective marketing of the intangible aspects of a product service offering. Current methods for researching and analyzing service markets are taught and then applied by students in marketing plan formulation and case analyses with particular stress placed on translating the intangible aspects of a service into more measurable (and therefore, tangible) characteristics aimed at enhancing customer satisfaction and retention. The second part of the course focuses on the nonprofit marketing, i.e., public and private nonprofit organizations. Students learn how to manage organizations such as government, religious, charitable, political, educational, and fund raising, institutions as well as marketing their endeavors more effectively.
Prerequisite: MKTG 240.
- MKTG 346**
INTRODUCTION TO INTERNATIONAL BUSINESS 3.0
The course is designed to introduce business majors to the dynamics of global economy, trade and development and its linkage with the U.S. economy. Business students will get acquainted with the fundamentals of international economics, foreign exchange, monetary systems and financial markets, international trade and investment, the role of international organizations and agencies, international marketing, international accounting systems and taxation, cultural challenge, management styles and practices across the nations.
Prerequisites: ECON 101 and ECON 102. Major within the School of Business; Human Ecology majors.
- MKTG 347**
EXPORT/IMPORT MARKETING PROCESS 3.0
This course will cover all aspects of the export/import function from a marketing process standpoint. Topics include: export/import policies — national and international environment; government programs and incentives to promote exports; tariff systems; choosing export markets and analyzing exports and imports; developing an export program; setting up an export organization; export/import financing; export/import documentation; export pricing; packaging, shipping, traffic and insurance.
Prerequisite: MKTG 346. Major within the School of Business.
- MKTG 349**
INTERNATIONAL MARKETING 3.0
This course reviews and compares the marketing efforts and specific strategies which firms employ in different cultural, political, economic, and legal environments. Students examine changing international markets, exploring how firms need to quickly adapt to global competition. Issues to be examined include global sourcing, international alliances, export regulation, regional trade areas, and the influence of multinational firms.
Prerequisite: MKTG 240 and MKTG 346; major within the School of Business.
- MKTG 350**
PHARMACEUTICAL AND HEALTH CARE MARKETING 3.0
A broad overview of the unique roles played by consumers, health care professionals, pharmacists, drug manufacturers, hospitals, clinics, government agencies, health insurers and others in this field that represents more than 20 percent of national GDP. Students learn how a complex mosaic of market, economic, social and governmental forces make these dynamic arenas in which to apply marketing theories, strategies and techniques. Team-teaching approach, as well as guest lecturers from the pharmaceutical and health care fields.
Prerequisite: MKTG 240.
- MKTG 351**
SUPERVISED WORK EXPERIENCE AND SEMINAR I 3.0
Full-time paid work experience (approximately 400 hours) in a cooperating department, mass merchandise (discount), specialty or limited-price variety store is required. An evening seminar on store activities and student experiences is held. Trainees are required to submit regular progress reports of the ten to twelve weeks of experience. Other assignments are given to the student related to the student's particular job assignment. This course is usually taken in the summer following the student's sophomore year. A faculty visitation to the job site is made.
Prerequisite: Departmental approval.
- MKTG 352**
EVENT MARKETING PRACTICUM 2.0-3.0
Students participate in the planning, promotion, and assessment of one or more major departmental events. Students will be introduced to project management tools (e.g., PERT) and principles of TQM by a faculty team leader/coach who will then guide students from the event's inception to its completion. In this process, students cultivate cross-functional team-building skills through continuous improvement of these annual events.
Prerequisite: Departmental approval.
- MKTG 399**
BUSINESS WORK EXPERIENCE II 3.0-6.0
Business Work Experience II integrates classroom study with supervised work experience and intensifies the experience gained through participation in Introduction to Business Work Experience. This course will develop, through practical experience, the student's expertise in the major field of study by providing a bridge from the academic environment to the world of the entering professional.
Prerequisite: Departmental approval.

MKTG 440
INTERNATIONAL RETAILING 3.0
 A study of international retailing covering such areas as: (1) retail institutions modi operandi variations from country to country, (2) effects of economic growth, cultural, legal-political and technological environment, (3) the West versus less developed countries in Asia, Africa, Latin America and the emerging free Eastern Europe, (4) know-how of retailing: business concepts, operating policies, managerial dimensions, (5) foreign direct investments in retailing.

Prerequisite: MKTG 346.

MKTG 442
MARKETING RESEARCH 3.0
 A broad overview of the many methods used to collect consumer, business and market data and turn it into useful information for marketing decision-makers. Starting with the historical factors leading to development of MR in America, this course touches on all the vital theories, methods, and practices: secondary research (including databases and computer literature searches); qualitative (focus group) research; quantitative research (observational, surveys and experiments); data analysis (coding, tabulation, and an introduction to multivariate techniques); and effective communication of research findings (written reports, personal presentations, computer graphics and mapping.) The course includes student research projects, field trips and a MR videotape series produced at MSU, as well as traditional lectures. Meets the University Writing Requirement for BAIB, BAMK majors.

Prerequisite: MKTG 240, and INFO 270 or INFO 271.

MKTG 443
BUSINESS TO BUSINESS MARKETING 3.0
 A managerial approach to marketing decision marketing from an organizational buyer perspective. Topics include: vendor and value-chain analysis, understanding JIT/cycle time systems and inventory controls; sales forecasting, market planning and strategy development grounded in a fundamental understanding of all aspects of organizational buyer dynamics.

Prerequisite: MKTG 240; major within the School of Business.

MKTG 446
MARKETING STRATEGY AND IMPLEMENTATION 3.0
 An analysis of the marketing planning process in relationship to overall corporate strategic planning framework is presented from both a theoretical and a practical perspective. An increased understanding of the many variables involved in marketing decision-making and an awareness of current, more sophisticated techniques used in such problem solving are analyzed. This capstone course integrates materials from the entire marketing curriculum in an applied format utilizing group case analysis, marketing simulations and market/business plan production.

Prerequisite: Seniors only.

Prerequisite or Corequisite: MKTG 442.

MKTG 451
SUPERVISED WORK EXPERIENCE AND SEMINAR II 3.0
 Student is expected to work (approximately 400 hours) at an acceptable position in a retail store. The position must be more advanced in obligations and responsibilities than in MKTG 351. This course gives the student the opportunity to utilize the knowledge and experience obtained in the previous summer's work experience. This more challenging and different position helps the student understand the more complex responsibilities of a retail store. A faculty visitation on the job site is made.

Prerequisite: MKTG 351.

MKTG 482
INDEPENDENT-OWNED AND FRANCHISED RETAILING 3.0
 The opportunities and challenges of independent and franchised retail entrepreneurship are explored. Emphasis is placed on the steps necessary to establish a new retail venture and how to successfully compete with the discount mass merchandisers which proliferate today's retail landscape.

Prerequisites: MKTG 240.

MKTG 483
SEMINAR IN RETAIL MANAGEMENT 3.0
 Students analyze current trends/problems in the major retail segments and study the "best practices" of the top domestic and international retailers. In addition, the various ethical/legal dilemmas confronting today's retail executive are explored. Visiting experts, field trips, and reading assignments from current retail trade journals are utilized to keep the course on the "cutting edge." Students routinely use computer spreadsheets to analyze various retail problems and assist their decision-making. Meets the University Writing Requirement for BAIB, BARM majors.

Prerequisites: Departmental approval.

MKTG 489
INTERNET MARKETING 3.0
 This course provides an introduction to internet marketing and customer-centric marketing programs. The course focuses on the various unique factors and issues that electronic tools bring to marketing, namely the ability to directly market to individuals and to interact in ways that consumers find valuable. Issues examined are using the internet to attract new customers, retain existing customers, build brand awareness, and expand into new markets.

Prerequisite: MKTG 240.

MKTG 490
MARKETING INTERNSHIP 3.0
 Working with public and private organizations (for profit), students are afforded an opportunity to apply classroom theoretics to real-world job situations. Illustrative engagements include team coordinated marketing research and advertising effectiveness studies; sales assistantships, public relations and retailing and distribution experiences. Market analysis and product feasibility and assessment exposures are accompanied by more organizationally tailored practical experiences in cultivating the student's resume.

Prerequisite: Departmental approval.

MKTG 492
INDEPENDENT STUDY IN MARKETING 1.0-3.0
 An opportunity for a student to study or engage in a topic currently not covered in existing course selections or to take a required course normally given, but unavailable in conventional format.

Prerequisite: Departmental approval.

MKTG 493
SPECIAL TOPICS IN MARKETING 1.0-3.0
 An examination of topics not covered in normal marketing course work. Course to be given on demand with topics varying according to current issues arranged between faculty and student.

Prerequisite: Departmental approval.

MKTG 499
CURRENT TOPICS IN MARKETING 3.0
 Students are afforded an opportunity to cultivate team-building and communication skills (verbal and written format) as they engage in addressing current issues and problems in the field of marketing and global management. Presentation skills are honed utilizing the most current audio visual and computerized hardware and software enhancements. A market/customer-driven Total Quality Management (TQM) focus aimed at cultivating sustainable competitive advantage underlies the process.

MATHEMATICAL SCIENCES

COLLEGE OF SCIENCE AND MATHEMATICS

Chairperson: Helen Marcus Roberts

The Department of Mathematical Sciences offers programs leading to the Bachelor of Science Degree in Mathematics and the Bachelor of Science Degree in Physics. In particular, the Department offers a major in Mathematics, a major in Mathematics with a concentration in applied Mathematics, a major in Mathematics with certification as a teacher of mathematics, a major in Physics, a major in Physics with certification as a teacher of Physics, a major in Physics with a concentration in Astronomy, a minor in Mathematics, and a minor in Physics. There are honor programs in Mathematics and Physics for qualified students. The Applied Mathematics concentration has two tracks: (1) Statistics and (2) Discrete Applied Mathematics and Operations Research.

The programs introduce central ideas in a variety of areas in Mathematics and Physics, and develop problem-solving ability by teaching students to combine critical thinking with rigorous reasoning. The Mathematics program provides students with a spectrum of courses in pure and applied mathematics and develops rigorous mathematical thinking.

A Bachelor of Science Degree in Mathematics is one of the most versatile degrees available. Many of the graduates with his degree have found their talents in great demand in business, industry, government, and in the teaching profession. This versatility allows graduates in mathematics to adjust to any unexpected shift in demand from one of these areas to another. All majors prepare students for graduate study.

The coordinator of undergraduate advising is the department's resource for specific information such as advanced placement, transfer credits, dual majors, Cooperative Education, and independent study.

Mathematics Major (B.S.)

Required Courses (25 semester hours)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 425 Advanced Calculus I	3
MATH 431 Foundations of Modern Algebra	3

Electives (12 semester hours)

Select at least 12 semester hours from MATH 398-469, (excluding required courses), 480-499, STAT 440-449, 490-499.

Collateral Courses (11 semester hours)

CMPT 183 Foundations of Computer Science I	3
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Mathematics Major (B.S.)

Applied Mathematics Concentration

Required Courses (28 credits)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 469 Introduction to Mathematical Modeling	3
CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3

Emphasis (9 semester hours)

Students specialize by taking three courses (9 semester hours) in one of the following two tracks:

Track 1 - Discrete Applied Mathematics and Operations Research

CMPT 285 Discrete Mathematical Structures	3
MATH 464 Operations Research I	3
MATH 465 Operations Research II	3

Track 2 - Statistics

STAT 440 Fundamentals of Modern Statistics	3
STAT 441 Statistical Computing	3
STAT 443 Introduction to Mathematical Statistics	3

Elective Mathematics Courses (12 semester hours)

Select at least 12 s.h. not already counted in A or B above from MATH 398-469 and 480-499, and STAT 440-449, 490-499

Collateral Courses (8 - 9 semester hours)

Complete one of the following sequences:

Students are strongly encouraged to complete sequence A

1. PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
2. CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
3. BIOL 112 Principles of Biology I	4
BIOL 113 Principles of Biology II	4
4. GEOS 112 Physical Geology	4
GEOS 114 Historical Geology	4
5. ACCT 201 Fundamentals of Accounting I	3
ACCT 202 Fundamentals of Accounting II	3
MGMT 231 Management Processes	3
6. ECON 101 Principles of Economics: Macro	3
ECON 102 Principles of Economics: Micro	3
MGMT 231 Management Processes	3

Mathematics Major (B.S.)

Teacher Education

Required Courses (25 credits)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
MATH 340 Probability	3
MATH 350 College Geometry	3
MATH 431 Foundations of Modern Algebra	3

Electives (Select at least 12 semester hours)

Select at least 12 semester hours from MATH 398-469, (excluding required courses), 471, 475, 480-499, STAT 440-449, 490-499. *Student must be accepted into the Teacher Certification Program before registering for MATH 471.*

Collateral Courses (11 semester hours)

CMPT 183 Foundations of Computer Science I	3
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Additional mathematics courses needed for certification can also be obtained from the department.

Second Teaching Field in Mathematics

Those students majoring in another field who wish to teach mathematics as a second field must take an approved 34 semester hour program in mathematics, including one course in computer science, as well as their major field requirements and the Praxis II exam. Specific requirements may be obtained from the department's Certification Advisor.

Mathematics Minor

Required Courses (19 semester hours)

	Semester Hours
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 335 Elements of Linear Algebra	4
One approved 300 or 400 math major elective course	3
At least 9 semester hours must be taken at Montclair State University.	

Physics Major (B.S.)

Required Courses (24 semester hours)

	Semester Hours
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 210 Mechanics	4
PHYS 240 Electricity and Magnetism	4
PHYS 350 Optics	4
PHYS 460 Modern Physics	4

Elective Physics Courses (14 semester hours)

Select a minimum of 14 semester hours from the list below:

PHYS 242 Circuit Theory	3
PHYS 245 Electronics and Digital Techniques	3
PHYS 247 Microprocessors and Their Applications	3
PHYS 280 Astronomy	4
PHYS 310 Advanced Mechanics	3
PHYS 320 Thermodynamics	3
PHYS 340 Advanced Electricity and Magnetism	3
PHYS 377 Mathematical Physics	3
PHYS 410 Fluid Mechanics	3
PHYS 430 Computer Simulations of Physical Systems	3
PHYS 462 Nuclear Physics	4
PHYS 464 Quantum Mechanics	3
PHYS 470 Solid State Physics	3
PHYS 490 Literature Research in Physics	2
PHYS 495 Laboratory Research in Physics	1-4
GEOS 112 Physical Geology	4

Collateral Courses (27 semester hours)

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CMPT 183 Foundations of Computer Science I	3
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 420 Differential Equations	4

Physics Major (B.S.)

Astronomy Concentration

Required Physics Courses (24 semester hours)

	Semester Hours
PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 210 Mechanics	4
PHYS 240 Electricity and Magnetism	4
PHYS 350 Optics	4
PHYS 460 Modern Physics	4

Required Concentration Courses (14 semester hours)

Select a minimum of 14 semester hours from the list below	14
PHYS 280 Astronomy	4
PHYS 380 Observational Astronomy	4
PHYS 480 Astrophysics	3
PHYS 495 Laboratory Research in Physics	3

Collateral Courses (34 semester hours)

CHEM 120 General Chemistry I	4
CHEM 121 General Chemistry II	4
CMPT 183 Foundations of Computer Science I	3
GEOS 107 Planet Earth	4
MATH 122 Calculus I	4
MATH 221 Calculus II	4
MATH 222 Calculus III	4
MATH 420 Differential Equations	4
STAT 401 Applied Statistics for the Sciences	3

Physics Minor

Required Courses

PHYS 191 University Physics I	4
PHYS 192 University Physics II	4
PHYS 240 Electricity and Magnetism	4

Plus either Option A or Option B:

Option A

PHYS 210 Mechanics	4
PHYS Physics elective	3

Option B

Select two

PHYS 242 Circuit Theory	3
PHYS 245 Electronics and Digital Techniques	3
PHYS 247 Microprocessors and Their Applications	3

Total Semester Hours 18-19

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Physics majors, with some additional chemistry courses, can qualify for the Physical Science Teaching Certificate.

Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the department's coordinator of undergraduate advising.

Courses of Instruction Mathematics

MATH 050

BASIC SKILLS MATH I:

COMPUTATION AND ELEMENTARY ALGEBRA

3.0

Fundamental operations on real numbers. Introduction to algebra including linear equations and the development of algebraic manipulative skills. Estimation. Problem solving. Credits not usable toward graduation. Meets Basic Skills Requirement.

MATH 051

BASIC SKILLS MATH II: ALGEBRA

3.0

Basic elementary algebra course, includes fundamental algebraic processes, linear and quadratic equations, graphing and applications. Credits not usable toward graduation. Meets Basic Skills Requirement.

MATH 060

BASIC SKILLS MATHEMATICS LABORATORY -

COMPUTATION

3.0

Review of the fundamental arithmetic operations of real numbers. Whole numbers, fractions, decimals, percents, ratios, word problems and estimation are covered. Topics from elementary algebra may also be included. Credits not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only. Meets Basic Skills Requirement.

MATH 061**BASIC SKILLS MATHEMATICS LABORATORY - ALGEBRA 3.0**

Review of elementary algebra, including fundamental algebraic processes, linear and quadratic equations, graphing, word problems and applications. Credit not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only. Meets Basic Skills Requirement.

MATH 100**INTERMEDIATE ALGEBRA 3.0**

Topics include sets, relations, functions, development of number systems and algebraic operations. Students who received high school credit for Intermediate Algebra may not receive degree credit for MATH 100.

Prerequisite: MATH 051 or 061 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Intermediate Algebra Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Intermediate Algebra Readiness Test.) Not for majors in the College of Science and Mathematics.

MATH 102**NEW STUDENT EXPERIENCE FOR MATHEMATICAL SCIENCES 1.0**

This course introduces students to the University, the Department of Mathematical Sciences and the culture of higher education. Students learn about campus resources and activities, the disciplines of mathematics and physics, careers in mathematical sciences, and development of good study skills. There is also emphasis on issues related to health, wellness, diversity, and prejudice. Meets Gen Ed 2002-New Student Seminar.

MATH 103**THE DEVELOPMENT OF MATHEMATICS 3.0**

A survey of traditional and contemporary mathematical topics developed within a historical framework and designed to develop an appreciation for the role and universality of mathematics as a cultural force in our society. Meets the Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061 or placement through the Montclair State University Placement Test (MSUPT). Not for majors in the College of Science and Mathematics.

MATH 104**FRACTALS AND INFINITY 3.0**

A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Cross listed with the Honors Program, HONP 104. Meets Gen Ed 2002-Mathematics. Meets the 1983 General Educational Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT).

MATH 106**CONTEMPORARY APPLIED MATH FOR EVERYONE 3.0**

The impact of modern mathematics on today's society in terms of management decision making, scheduling and planning, social choice, including voting and apportionment, population studies, and measurements of size and shape. Meets Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT).

MATH 109**STATISTICS 3.0**

Introduction to the use of statistics in the real world. Topics include: analysis and presentation of data, variability and uncertainty in data, techniques of statistical inference and decision-making. Meets Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT). Not for majors in Mathematics (MATH); Mathematics, Applied Mathematics concentration (MAAM); or Mathematics, Teacher Education (MTED).

MATH 111**APPLIED PRECALCULUS 4.0**

This course covers topics including trigonometric, exponential, logarithmic, rational, and polynomial functions, that are basic to success in the calculus sequence. Includes applications to Biology, Molecular Biology, and other empirical sciences. Uses graphics calculators extensively. May be substituted for MATH 112 (Precalculus Mathematics).

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Precalculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 112**PRECALCULUS MATHEMATICS 3.0**

Binomial theorem, relations and functions, exponential and logarithmic functions, right triangle trigonometry, circular functions.

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Precalculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 113**MATHEMATICS FOR BUSINESS I: LINEAR ALGEBRA 3.0**

Matrices, linear programming, probability, statistics.

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT).

MATH 114**MATHEMATICS FOR BUSINESS II: CALCULUS 3.0**

The general aim of this course is to introduce the students to the basic skills of differentiation, integration, maxima-minima problems and several of the other applications of calculus, including modeling, especially models in business and economics.

Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on Department's Business Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Business Calculus Readiness Test.)

MATH 116**CALCULUS A 4.0**

Differentiation and integration of functions, including trigonometric functions. Applications to biology and geoscience. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisite: MATH 111 or 112 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 122**CALCULUS I 4.0**

Limits, continuity; derivative and differentiation; applications of the derivative, maxima, minima, and extreme considerations; antiderivatives; Riemann integral. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics.

Prerequisites: MATH 111 or 112 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the Department's Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the Department's Calculus Readiness Test.)

MATH 190**TOPICS IN UNDERGRADUATE MATHEMATICS 1.0-4.0**

Topics of current interest and importance that are accessible by first- and second-year students. May be repeated once for a maximum of eight credits.

MATH 221		
CALCULUS II	4.0	
Riemann integral applications, transcendental functions, techniques of integration, improper integrals, L'Hospital's rule, infinite series. Meets the 1983 General Education Requirement (GER)—Mathematics, Mathematics.		
<i>Prerequisite: MATH 122.</i>		
MATH 222		
CALCULUS III	4.0	
Vector algebra; partial differentiation, and extreme considerations; polar, cylindrical, and spherical coordinates, multiple integration; introduction to line integrals.		
<i>Prerequisite: MATH 221.</i>		
MATH 270		
STATISTICS FOR BUSINESS	3.0	
This course is a comprehensive introduction to the application of modern statistical methods. Topics covered include: descriptive statistical methods of data analysis; probability theory; discrete and continuous probability distributions and mathematical expectation; classical statistical inference—sampling distributions, confidence interval estimation, sample size determination, and hypothesis testing for means and proportions; regression and correlation, and time series analysis. Spreadsheet software is integrated in all topics. Cross listed with Information and Decision Sciences, INFO 270.		
<i>Prerequisite: MATH 114. May not be taken for graduation credit by CSAM majors.</i>		
MATH 335		
LINEAR ALGEBRA	4.0	
Vectors, vector spaces in 2, 3, and n-dimensions, systems of linear equations, matrices, determinants, linear transformations, and applications. Meets the University Writing Requirement for MAAM, MATH, MTED majors.		
<i>Prerequisite: MATH 221.</i>		
MATH 340		
PROBABILITY	3.0	
Chance and variability, elements of combinatorics, Bayes' theorem, random variables, binomial, poisson and normal distributions, applications to statistics.		
<i>Prerequisite: MATH 221.</i>		
MATH 350		
COLLEGE GEOMETRY	3.0	
Study of Euclidean and other geometries from an axiomatic point of view.		
<i>Prerequisite: MATH 221.</i>		
MATH 398		
VECTOR CALCULUS	3.0	
Topics include the algebra of the differential and integral calculus, gradients, divergence and curl of a vector field, and integral theorems together with applications drawn from the physical sciences.		
<i>Prerequisite: MATH 222.</i>		
MATH 420		
DIFFERENTIAL EQUATIONS	4.0	
First order differential equations, partial derivatives and exact differentials, linear differential equations, numerical approximation, series solution, matrices, and systems of equations.		
<i>Prerequisite: MATH 221.</i>		
MATH 423		
COMPLEX VARIABLES	3.0	
This course is a study of the arithmetic and algebra of complex numbers, and an introduction to the differentiation and integration of complex functions. Topics include: rectangular and polar form of complex numbers, algebra of complex numbers, differentiation, Cauchy-Riemann equations, and contour integrals.		
<i>Prerequisite: MATH 222.</i>		
MATH 425		
ADVANCED CALCULUS I	3.0	
Properties of the real number system, limits, continuous functions, intermediate value theorem, derivative, mean value theorem, Riemann integral.		
<i>Prerequisite: MATH 222.</i>		
MATH 426		
ADVANCED CALCULUS II	3.0	
Functions of several variables, partial derivatives, Green's theorem, Stoke's theorem, divergence theorem, implicit function theorem, inverse function theorem, infinite series, uniform convergence.		
<i>Prerequisite: MATH 425.</i>		
MATH 431		
FOUNDATIONS OF MODERN ALGEBRA	3.0	
Fundamental concepts of algebra including groups, rings, integral domains and fields, with important examples.		
<i>Prerequisite or corequisite: MATH 335.</i>		
MATH 433		
THEORY OF NUMBERS	3.0	
Properties of integers, congruences, quadratic reciprocity law, primitive roots, diophantine equations, continued fractions, algebraic numbers, lattice points and partitions.		
<i>Prerequisite: MATH 221.</i>		
MATH 450		
FOUNDATIONS OF GEOMETRY	3.0	
Groups of transformations, an introduction to projective geometry.		
<i>Prerequisite: MATH 221.</i>		
MATH 451		
TOPOLOGY	3.0	
Topological spaces, metric spaces, continuity, compactness, connectedness, and separability properties; topological generalizations of basic continuity theorems of advanced calculus.		
<i>Prerequisite: MATH 425.</i>		
MATH 463		
NUMERICAL ANALYSIS	3.0	
Finite differences, approximation theory, linear and non-linear equations, error analysis.		
<i>Prerequisites: MATH 222 and 335.</i>		
MATH 464		
OPERATIONS RESEARCH I	3.0	
Linear programming, transportation problem, assignment problem, duality, sensitivity analysis, network flows, dynamic programming, nonlinear programming, integer programming.		
<i>Prerequisite: MATH 335.</i>		
MATH 465		
OPERATIONS RESEARCH II	3.0	
Game theory, queuing models, inventory models, Markov processes, reliability theory and applications.		
<i>Prerequisites: MATH 335 and 340.</i>		
MATH 469		
MATHEMATICAL MODELING	3.0	
The art of constructing mathematical models for "real world" problems, solving the model, and testing the accuracy of the model. Problems will be selected from business, science, computer science, and the social sciences.		
<i>Prerequisites: MATH 335, and 340, and MATH 464 or STAT 440.</i>		
MATH 470		
TEACHING OF MATHEMATICS	4.0	
Selection, organization, and presentation of secondary mathematics, classroom activities, lesson planning, techniques of motivation, evaluation, multi-sensory aids, principles of learning, and applications of the microcomputer to classroom teaching.		
<i>Prerequisite: Admission to Teacher Education Program.</i>		
MATH 471		
SELECTED TOPICS IN MODERN MATHEMATICS	3.0	
Professionalized view of junior and senior high school mathematics topics: functions, real and complex numbers, analytic geometry, absolute value and inequalities, sets and logic, flow charting, linear programming.		
<i>Prerequisite: Admission to Teacher Education Program.</i>		
MATH 475		
HISTORY OF MATHEMATICS	3.0	
Histories of geometry, number theory, algebra, calculus and infinite processes.		
<i>Prerequisite: MATH 221.</i>		

MATH 485
APPLIED COMBINATORICS AND GRAPH THEORY 3.0
 Problem solving by counting, enumeration, and graph theory. Permutation, combinations, binomial coefficients, generating functions, recurrence relations, partitions, inclusion-exclusion, Polya's formula, graph theoretic models, trees, circuits, networks, matching, and their applications to puzzles, games, tournaments, traffic patterns, transportation.
Prerequisite: MATH 340.

MATH 490
HONORS SEMINAR 3.0
 This course will concentrate on subject matter not usually covered within standard mathematics courses. A written and oral report are required.
Prerequisite: Departmental approval.

MATH 495
TOPICS FOR UNDERGRADUATES 1.0-3.0
 Study of advanced topics in undergraduate mathematics.
Prerequisite: Departmental approval.

MATH 497
RESEARCH I 1.0-3.0
 Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.
Prerequisite: Departmental approval.

MATH 498
RESEARCH II 1.0-3.0
 Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.
Prerequisite: Departmental approval.

Courses of Instruction Physics

PHED 401
THE TEACHING OF SCIENCE IN SECONDARY SCHOOLS 4.0
 Considered are the objectives, curriculum, planning, instructional strategies appropriate to science, materials, methods of evaluation, health safety and legal responsibilities in the secondary science program. The use of computers in the science instructional program will also be emphasized.

PHYS 100
CONCEPTS IN SCIENCE 4.0
 This is a one-semester physical science course with laboratory designed for those students not majoring in science areas. This course will introduce the student to methods of science while teaching some principles of physical science and some of their applications. Topics discussed include: energy and motion; heat, energy and solar heating; sound and noise; light, lenses and fiber optics. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.

PHYS 104
HISTORY OF SCIENCE 3.0
 The historical and philosophical development of science traced from the ancient Egyptians to the present. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science only.
Prerequisite: Special fee.

PHYS 180
DESCRIPTIVE ASTRONOMY 3.0
 For the general student. A discussion of our place in the universe from ancient ideas to modern data on the moon, planets, comets, stars, galaxies and quasars. The formation and evolution of planets, stars, black holes and the universe as a whole reveal our place in time. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.

PHYS 191
UNIVERSITY PHYSICS I 4.0
 This one-semester calculus-based course including laboratory is a study of the principles of physics and some applications to society's problems. Topics covered include mechanics, thermodynamics, fluids, and harmonic motion. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite or corequisite: MATH 122. Special fee.

PHYS 192
UNIVERSITY PHYSICS II 4.0
 Calculus-based course. Study of some principles of physics and some applications to society's problems. Topics include: wave motion, sound and noise pollution, optics, electricity, lasers, nuclear theory, radiation, nuclear reactors, waste disposal. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite or corequisite: MATH 221. Special fee.

PHYS 193
COLLEGE PHYSICS I 4.0
 This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include mechanics, heat and thermodynamics, wave motion and sound, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: MATH 100. Special fee.

PHYS 194
COLLEGE PHYSICS II 4.0
 This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include optics, electricity and magnetism, and an introduction to modern and nuclear physics, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: MATH 100 or MATH 111 or MATH 112 or PHYS 193. Special fee.

PHYS 210
MECHANICS 4.0
 Classical mechanics: Kinematics, Newton's laws, impulse and momentum, statics, work and energy, oscillations, general motion, central force motion, non-inertial frames, system of particles, methods of handling data. (3 hours lecture, 2 hours laboratory.)
Prerequisite: PHYS 191. Special fee.

PHYS 240
ELECTRICITY AND MAGNETISM 4.0
 Basic principles of electromagnetism: Coulomb's law and general techniques in electrostatics, currents and their associated magnetic field, electromagnetic induction and magnetic properties of materials. Foundations of Maxwell's equations (without detailed solutions). Laboratory experiments. (3 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192.
Prerequisite or Corequisite: MATH 222. Special fee.

PHYS 242
CIRCUIT THEORY 3.0
 Introduces basic methods in circuit analysis and design. Topics include linear electric circuits and their response, circuit theorems, filters, Fourier analysis of different inputs and outputs, and transmission lines. (2 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192 or both PHYS 194 and MATH 221. Special fee.

PHYS 245
ELECTRONICS AND DIGITAL CIRCUITS 3.0
 An introduction to the principles of amplifiers, waveform generators, and digital circuits, with emphasis on the use of commonly available integrated circuit packages. (2 hours lecture, 2 hours laboratory)
Prerequisite: PHYS 192 or 194. Special fee.

PHYS 280
ASTRONOMY 4.0
 Application of physical laws to the earth as a planet; nature of the other planets; orbital motion and space flight; origin of the solar system; the birth, life and death of a star galactic structure; and cosmology. (3 hours lecture, 2 hours laboratory). Meets the University Writing Requirement for PHYS majors.
Prerequisites: PHYS 191 and 192 or 193 and 194. Special fee.

PHYS 320
THERMODYNAMICS 3.0
 Thermodynamic systems; laws of thermodynamics; entropy; kinetic theory; transport processes; statistical thermodynamics.
Prerequisites: MATH 222 and PHYS 210.

PHYS 350
OPTICS 4.0
 Propagation of light, optical components, instruments and photometry. Interference, diffraction and polarization with elements of spectroscopy. Meets the University Writing Requirement for PHYS majors.
 (3 hours lecture, 2 hours laboratory.)
Prerequisite: PHYS 240. Special fee.

PHYS 380
OBSERVATIONAL ASTRONOMY 4.0
 Observational techniques for the moon, planets, satellites of other planets, asteroids, comets, stars, star clusters, and galaxies.
Prerequisites: PHYS 191 and PHYS 192 or PHYS 193 and PHYS 194.

PHYS 410
FLUID MECHANICS 3.0
 The study of the mechanics of the continuous media. Topics will include: fluid statics; basic laws governing fluid systems and control volumes; viscous flows; dimensional analysis and similitude, and potential flow.
Prerequisite: PHYS 240.

PHYS 430
COMPUTER SIMULATIONS OF PHYSICAL SYSTEMS 3.0
 This course applies computer techniques and numerical analysis to model physical systems. Simulations and calculations will be done of falling bodies, gravitational orbits, scattering, oscillations, electrical circuits, molecular dynamics, Monte Carlo techniques, chaos, and quantum systems.
Prerequisites: MATH 221, PHYS 191, PHYS 192 and CMPT 183.

PHYS 443
COMPUTER-AIDED DRAFTING: AN INTRODUCTION 3.0
 Students will study the command structure of AutoCad to create, modify and manage CAD drawings and designs. Various applications in graphic communication will be explored with practical hands-on lab sessions. Experience with computers or technical graphics is not required. Cross listed with Curriculum and Teaching, INDS 443.

PHYS 460
MODERN PHYSICS 4.0
 Special relativity, kinetic theory of matter; quantization of electricity, light and energy; nuclear atom; elementary quantum mechanics and topics on solid state. (3 hours lecture, 2 hours laboratory.)
Prerequisites: PHYS 210 and 240. Special fee.

PHYS 480
ASTROPHYSICS 3.0
 The laws of physics applied to planetary structure, stars and their evolution in time, the interstellar medium, galaxies, and large-scale structure of the universe.
Prerequisites: PHYS 191 and 192 or PHYS 280 and MATH 221.
Prerequisite or corequisite: STAT 401.

PHYS 490
LITERATURE RESEARCH IN PHYSICS 2.0
 Student considers topics in physics and gains facility in literature research techniques: topics in pure physics or related to physics education. Students intending to enroll in laboratory research in physics should use PHYS 490 to provide the literature research related to his/her laboratory problem. Not offered every year.
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

PHYS 495
LABORATORY RESEARCH IN PHYSICS 1.0-4.0
 Solution of a laboratory problem; research in pure physics or in physics education. Written report required. Not offered every year.
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

Courses of Instruction ***Statistics***

STAT 401
APPLIED STATISTICS FOR THE SCIENCES 3.0
 Organizing, displaying, and describing data; designing experiments; methods for drawing conclusions from data; significance testing, confidence intervals, linear regression, analysis of variance, chi-square tests of independence. Examples from disciplines in the natural and physical science. Statistical software is used. Not for Mathematics and Computer Science majors.

STAT 440
FUNDAMENTALS OF MODERN STATISTICS 3.0
 Displaying, describing, and modeling data; arrangements for producing data; probability; methods for drawing conclusions from data; significance testing, confidence interval estimation, linear regression, analysis of variance. Examples from many disciplines including the social and natural sciences. Statistical software is used.
Prerequisite: MATH 221.

STAT 441
STATISTICAL COMPUTING 3.0
 This course is designed: (1) to acquaint students with the use of the computer in solving statistical problems, and (2) to develop intermediate level statistical methodology. Several statistical computing packages and the student's own programs will be utilized.
Prerequisites: STAT 440 and computer experience.

STAT 443
INTRODUCTION TO MATHEMATICAL STATISTICS 3.0
 Develops statistical methods from probability theory. Topics discrete and continuous probability distributions, estimation, inference and hypothesis testing.
Prerequisites: MATH 340 and STAT 440.

STAT 495
TOPICS IN STATISTICAL SCIENCE 1.0-3.0
 Guided study of selected topics in statistical science such as exploratory data analysis, applied multivariate methods, statistical quality control, design of experiment. May be repeated once for a total of six credits.
Prerequisites: STAT 440 and departmental approval.

STAT 497
UNDERGRADUATE RESEARCH IN STATISTICAL SCIENCE 1.0-3.0
 Individual research in an area of statistical science agreed upon by the student and instructor. The results of the research will be the basis of a seminar or colloquium to be given by the student. May be repeated five time for a total of six credits. Student must not accumulate more than six credits total in courses MATH 497, MATH 498, STAT 495, STAT 497.

MUSIC

SCHOOL OF THE ARTS

Chairperson: Fred Cohen

The Department of Music stresses performance skills, breadth of musical understanding and work in the liberal arts. The department is accredited by the National Association of Schools of Music and is approved by the American Music Therapy Association. Two degrees are offered, the Bachelor of Music and the Bachelor of Arts. Also offered is a combined B.A./B.Mus. program.

Concentrations available within the Bachelor of Music degree program are Performance and Theory/Composition. Concentrations available within the Bachelor of Arts degree program are Music Therapy and Music Education.

There is a music minor available to qualified students.

Entrance Requirements

General

Those who wish to major or minor in music must have an interview and an audition on a primary instrument or voice. Prospective music majors should be able to show musicality, primary and secondary performing skills and knowledge of elementary music theory. Audio- and video-taped auditions are a rare exception to Departmental policy, and therefore must be approved in advance. The Department will allow prospective music majors to audition up to twice within one academic year, and a maximum of three times. It is important to have studied music seriously throughout high school. Participation in choral and/or instrumental groups and piano study are required for all applicants.

Primary instrument audition (vocal and instrumental)

Required of all prospective students. The audition consists of prepared repertory, preferably covering a range of styles, and of technical exercises, etudes, scales and sight reading; it generally lasts ten to fifteen minutes.

Music reading test

Required of all prospective students. Prospective students must demonstrate their proficiency in reading treble and bass clefs and their ability to sing intervals and to sight read simple melodies and rhythms. Prospective students who are judged deficient in these skills but seem to have sufficient talent to warrant admission will be required to take a pre-theory course which carries no credit toward graduation.

Interview/Portfolio review

Required of all prospective students wishing concentrations in education, music therapy, and theory/composition. The interviews for education and music therapy are intended to give the faculty a sense of a prospective student's knowledge of, interest in and fitness for the field in question. The theory/composition interview is normally accompanied by inspection of a prospective student's portfolio of compositions, arrangements and/or analyses. Prospective students wishing to concentrate in theory/composition should be prepared to present such a portfolio.

Music theory placement test

Required of all prospective students who have taken college level theory courses; optional for others. The test is designed for placement purposes and is normally not a factor in arriving at an admissions decision.

Music history syllabus review

Required of all prospective students who have taken college level music history courses. Transfer applicants who wish to transfer their music history credits must submit a course syllabus for each music history course for faculty review and approval.

Secondary instrument audition (vocal and instrumental)

Optional. A prospective student who has developed proficiency in a second instrument (or in voice) may audition on that instrument (or in voice). Once enrolled, Departmental approval is required for private study on a secondary instrument.

Secondary piano placement test

Optional. All students (other than keyboard majors) must take four semesters of secondary piano. Prospective students (other than keyboard players) who have taken some piano and wish to be exempt from some or all of the secondary piano requirement should take a secondary piano test at the time of audition.

Final Admission to Program

Theory/Composition

Final admission in junior year; in addition to full audition requirements, candidates must submit a portfolio of compositions and/or analytical sketches before completion of sophomore year.

Music Therapy

Final admission in junior year; in addition to full audition requirements, all credentials (including reports of clinical experience) will be evaluated at the end of sophomore year.

Performance

Provisional acceptance is determined by an Applied Music jury at the end of the freshmen year unless a postponement to the middle of the sophomore year is requested by the major teacher. Full admission is delayed until completion of a sophomore recital and/or demonstration of a solid grasp of the technical aspects of the performing medium and genuine musicality and sensitivity.

Music Education

Final admission is granted only after an interview and review of credentials toward the end of the sophomore year.

Comprehensive Examination/Assessment

At the end of the sophomore year, all students must demonstrate comprehensive musicianship in the performing primary, functional keyboard skills, theoretical and practical skills, secondary vocal skills and other materials germane to the student's concentration. Continuation as a music major is dependent upon adequate performance in these areas.

Applied Music Requirements for Graduation

All music students must study with members of the Montclair State faculty. There is an applied music fee, in addition to tuition, which must be paid for private instruction.

Students concentrating in performance will present a recital before the end of the junior year and another in the senior year. Students concentrating in music education will present a recital in the senior year. Students concentrating in theory/composition will present a recital of original compositions in the senior year.

Piano students are expected to accompany at a level of ability designated by their teachers and to participate actively in the musical life of Montclair State and the community.

All students are expected to perform during performance practicum at least once during each year of primary study.

Secondary instruction beyond the minimum requirements is available when schedules and other considerations allow.

Performance Practicum Requirements for Graduation

Each week the Department of Music sponsors mid-day performances, master classes, and lecture/recitals by students, faculty, and guests. Every music major must register for MUPR 039, *Performance Practicum* (0 credit) or MUPR 040 *Performance Practicum for Performance Majors* (0.5 credit), for eight semesters or every semester of attendance at Montclair State University.

Ensemble Requirements for Graduation

The ensemble policy is based on the principle that all students must perform in ensemble(s) every semester of their attendance at Montclair State in order to assure the broadest possible experience in important ensemble repertoire and to assure that these ensembles have the needed instrumentation for successful performance. Although minimum requirements vary with each concentration, this principle is the overriding one. Students will be expected to perform in their primary ensemble during each semester of attendance.

Students may be assigned by the department chairperson to an ensemble in accordance with the needs of the department, regardless of the completion by the student of the minimum requirements.

Where admission to a chamber ensemble is by audition and a student fails to gain admission, additional performance in a large ensemble may, with the chairperson's consent, be substituted. Chamber ensembles must perform once a semester, either on recital or for a jury.

Any changes in the ensemble policy will be posted in the Music Department.

Music Education: majors in voice, keyboards or guitar

8 semesters of Choir (MUPR 030)

2 semesters of laboratory ensemble (MUED 301)

2 semesters of chamber ensemble *

Music Education: majors in stringed instruments

8 semesters of Orchestra (MUPR 031)

2 semesters of Choir (MUPR 030)

2 semesters of chamber ensemble*

Music Education: majors in brass, woodwinds, percussion

8 semesters of Band (MUPR 032) or Orchestra (MUPR 031) as assigned

2 semesters of Choir (MUPR 030)

2 semesters of chamber ensemble *

Performance: majors in voice

8 semesters of Choir (MUPR 030)

4 semesters of Opera Workshop (MUPR 034)

2 semesters of Collegium Musicum (MUPR 038)

2 elective semesters

Performance: majors in guitar

8 semesters of chamber ensemble*

4 semesters of Choir (MUPR 030)

4 elective semesters

Performance: majors in stringed instruments

8 semesters of Orchestra (MUPR 031)

4 semesters of chamber ensemble*

4 elective semesters

Performance: majors in brass, woodwinds, percussion

8 semesters of Band (MUPR 032) or Orchestra (MUPR 031) as assigned

2 semesters of Choir (MUPR 030)

3 semesters of chamber ensemble *

3 elective semesters

Performance: majors in keyboard instruments

8 semesters of Choir (MUPR 030)

5 semesters of chamber ensemble *

1 semester of Collegium Musicum (MUPR 038)

2 elective semesters

Theory/Composition: majors in voice, guitar

6 semesters of Choir (MUPR 030) or Chamber Choir (MUPR 020)

4 semesters of chamber ensemble *

2 semesters of Collegium Musicum (MUPR 038)

4 elective semesters

Theory/Composition: majors in stringed instruments

8 semesters of Orchestra (MUPR 031)

4 semesters of chamber ensemble *

1 semester of Collegium Musicum (MUPR 038)

3 elective semesters

Theory/Composition: majors in brass, woodwinds, percussion

8 semesters of Band (MUPR 032)

2 semesters of Choir (MUPR 030)

5 semesters of chamber ensemble *

1 semester of Collegium Musicum (MUPR 038)

Music Therapy:

6 semesters using primary instrument

2 semesters using secondary instrument

**For the purposes of the above requirements, "chamber ensemble" includes MUPR 038 Collegium Musicum, MUPR 020 Chamber Singers, MUPR 302 Jazz Ensemble, MUPR 034 Opera Workshop, MUPR 301 Chamber Ensemble Performance MUPR 361 Harry Parich Ensemble and all solo/duet/trio/etc. repertoire which does not duplicate materials studied for solo recital or jury performance.*

Performance Dress Code

Since the Department of Music has the training of future professional musicians as one of its major objectives, the music student is expected to dress as a professional whenever appearing before the public.

Mid-Day Recitals: No casual attire.

Solo Recitals: Formal wear or ensemble wear.

Ensembles: At the discretion of the director, normally black.

Instrumental Rental

A fee of \$50 (subject to change) per semester is charged students who rent college-owned instruments. Summer rental is considered as a separate semester for this purpose. A separate charge is made for each instrument or each instrumental methods class.

Music Major (B.A.)

Music Education Concentration

Required Courses

	Semester	Hours
MUAP 121	Applied Music I	2
MUAP 122	Applied Music II	2
MUAP 223	Applied Music III	2
MUAP 224	Applied Music IV	2
MUAP 325	Applied Music V	2
MUAP 326	Applied Music VI	2
MUAP 427	Applied Music VII	2
MUPR 039	Performance Practicum (8 semesters)	0
MUCP 101	Theory I	3
MUCP 102	Theory II	3
MUCP 103	Aural Skills I	1
MUCP 104	Aural Skills II	1
MUCP 201	Theory III	3
MUCP 202	Theory IV	3
MUCP 203	Aural Skills III	1
MUCP 204	Aural Skills IV	1
MUCP 304	Theory VI-Orchestration	3
MUHS 307	Music History I	3
MUHS 308	Music History II	3
Ensembles		6
(See Ensemble Requirements for Graduation, previously listed)		
MUED 105	Instrumental Techniques: Strings I	1
MUED 106	Instrumental Techniques: Strings II	1
MUED 200	Introduction to Music Education	2
MUED 201	Practicum in Music Education I	1
MUED 205	Instrumental Techniques: Brass I	1
MUED 207	Instrumental Techniques: Brass II	1
MUED 206	Instrumental Techniques: Woodwinds I	1
MUED 208	Instrumental Techniques: Woodwinds II	1
MUED 306	Percussion Instruments	1
MUED 334	Choral Methods	3
MUED 335	Conducting for Music Educators	2
MUED 420	Instrumental Methods	3
MUPR 335	Elementary Conducting	2
MUPR 403	Senior Recital	0
(To be taken concurrently with final semester of private study)		
MUPR 410	Beginning Jazz Improvisation	1
MUPR 411	Jazz Pedagogy	1

Keyboard Primary (in addition to other required courses)

MUCP	310	Keyboard Harmony I	1
MUCP	311	Keyboard Harmony II	1
MSSN	111	Secondary Instrument Voice I	1
MSSN	121	Secondary Instrument Guitar I	1

Strings, Brass, Woodwind, Percussion Primary (in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	111	Secondary Instrument Voice I	1
MUED	132	Marching Band Techniques	1

Voice Primary (in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	121	Secondary Instrument Guitar I	1
MUPR	340	Italian Repertory and Diction I	1
MUPR	341	Italian Repertory and Diction II	1

Guitar (in addition to other required courses)

MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	111	Secondary Instrument Voice I	1

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, students must satisfactorily complete the following courses:

MUED	202	Practicum in Music Education II	1
MUED	320	Music Classroom Methods I	3
MUED	321	Music Classroom Methods II	3

Music Therapy Major (B.A.)**Required Courses (43-44 s.h.)**

Semester Hours

Music Theory and History

MUPR	039	Performance Practicum, 8 semesters	0
MUCP	101	Theory I	3
MUCP	102	Theory II	3
MUCP	103	Aural Skills I	1
MUCP	104	Aural Skills II	1
MUCP	201	Theory III	3
MUCP	202	Theory IV	3
MUCP	203	Aural Skills III	1
MUCP	204	Aural Skills IV	1
MUCP	141	Musical Composition	2
MUHS	307	Music History I	3
MUHS	308	Music History II	3
Ensembles			4

Note: Eight ensembles of which six semesters of ensemble (for 3 semester hours) must involve the student's primary instrument. Two semesters of ensemble (for 1 semester hour) must be taken using a secondary instrument.

MUTH	260	Methods and Materials in Music Therapy	2
MUTH	262, 263, 361, 362, 363, 364	Music Therapy Practicum I-VI	6
MUTH	306	Piano Accompanying Techniques for the Music Therapist	1
MUTH	307	Piano Improvisation for the Music Therapist	1

One of the following:

MUGN	150	Influence of Afro-American Culture on Music	3
MUGN	160	Introduction to Music in World Cultures	3
MUGN	209	Introduction to Jazz	3
MUGN	250	Rap and Rock as Cultural Phenomena	3

One of the following conducting courses:

MUPR	335	Elementary Conducting	2
MUED	334	Choral Methods	3

Keyboard Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	111	Secondary Instrument Voice I	1
MSSN	112	Secondary Instrument Voice II	1
MSSN	121	Secondary Instrument Guitar I	1
MSSN	122	Secondary Instrument Guitar II	1
MUCP	310	Keyboard Harmony I	1
MUCP	311	Keyboard Harmony II	1
MUED	306	Percussion Instruments	1

One of the following, with permission of advisor:

MUED	105	Instrumental Techniques: Strings I	1
MUED	205	Instrumental Techniques: Brass I	1
MUED	206	Instrumental Techniques: Woodwind I	1
MSSN	113	Secondary Instrument Voice III	1

String, Brass, Woodwind, and Percussion Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	121	Secondary Instrument Guitar I	1
MSSN	122	Secondary Instrument Guitar II	1
MSSN	111	Secondary Instrument Voice I	1
MUED	306	Percussion Instruments (for non percussion primaries)	1

OR

MSSN	112	Secondary Instrument Voice II (for percussion primaries)	1
------	-----	--	---

Voice Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	121	Secondary Instrument Guitar I	1
MSSN	122	Secondary Instrument Guitar II	1
MUED	306	Percussion Instruments	1

One of the following, with permission of advisor:

MUED	105	Instrumental Techniques: Strings I	1
MUED	205	Instrumental Techniques: Brass I	1
MUED	206	Instrumental Techniques: Woodwind I	1

Guitar Primary (16 s.h.)

(in addition to required core courses)

MUAP	121	Applied Music I	2
MUAP	122	Applied Music II	2
MUAP	223	Applied Music III	2
MUAP	224	Applied Music IV	2
MSSN	101	Secondary Instrument Piano I	1
MSSN	102	Secondary Instrument Piano II	1
MSSN	103	Secondary Instrument Piano III	1
MSSN	104	Secondary Instrument Piano IV	1
MSSN	111	Secondary Instrument Voice I	1
MSSN	112	Secondary Instrument Voice II	1
MUED	306	Percussion Instruments	1

One of the following, with permission of advisor:

MUED	105	Instrumental Techniques: Strings I	1
MUED	205	Instrumental Techniques: Brass I	1
MUED	206	Instrumental Techniques: Woodwind I	1
MSSN	113	Secondary Instrument Voice III	1

Professional Sequence (26 s.h.)		
MUTH 100	Introduction to Music Therapy	2
MUTH 261	Therapy and Observation Skills for Music Therapy	2
MUTH 400	Music Therapy Training Group	1.5
MUTH 402	Guided Imagery and Music (GIM)	1.5
MUTH 461	Music Therapy with Children	3
MUTH 462	Music Therapy with Adults	3
MUTH 463	Psychological Foundations of Music I	3
MUTH 464	Psychological Foundations of Music II	3
MUTH 465	Internship in Music Therapy	1
PSYC 201	Child Psychology	3
PSYC 365	Abnormal Psychology	3
Required Collateral (19 s.h.)		
ARTH 280	Introduction to Art Therapy	3
BIOL 110	Biology of Human Life	4
MATH 109	Statistics	3
PSYC 101	General Psychology I: Growth and Development	3
PSYC 235	Psychology of Exceptional Children and Youth	3
SOCI 204	Sociology of the Family	3

Music Major (B. Mus.)

Performance Concentration

Required Core Courses (72 s.h.)

	Semester Hours
MUAP 121 Applied Music I	2
MUAP 122 Applied Music II	2
MUAP 243 Applied Music III	4
MUAP 244 Applied Music IV	4
MUAP 345 Applied Music V	4
MUAP 346 Applied Music VI	4
MUAP 447 Applied Music VII	4
MUAP 448 Applied Music VIII	4
MUCP 101 Theory I	3
MUCP 102 Theory II	3
MUCP 103 Aural Skills I	1
MUCP 104 Aural Skills II	1
MUCP 201 Theory III	3
MUCP 202 Theory IV	3
MUCP 203 Aural Skills III	1
MUCP 204 Aural Skills IV	1
Ensembles (See <u>Ensemble Requirement for Graduation</u> , listed previously) 8	
MUPR 040 Performance Practicum for Performance Majors (eight semesters)	4
MUPR 203 or 303 Sophomore or Junior Recital	1
MUPR 403 Senior Recital	1
MUPR 335 Elementary Conducting	2
MUHS 307 Music History I	3
MUHS 308 Music History II	3
MUHS 407 Music History III	3
World Music (choose one from the following):	
MUGN 150 Influences of Afro-American Culture on Music	3
MUGN 160 Introduction to Music in World Cultures	3
MUGN 209 Introduction to Jazz	3
MUGN 250 Rap and Rock as Cultural Phenomena	3

Voice (24 s.h.)

(in addition to required core courses)

MSSN 101 Secondary Instrument Piano I	I
MSSN 102 Secondary Instrument Piano II	I
MSSN 103 Secondary Instrument Piano III	I
MSSN 104 Secondary Instrument Piano IV	I
MUPR 130 Introduction to Diction	1
MUPR 131 Diction Overview: German and French	1
MULT 230 Vocal Repertory from Monody to Mozart	2
MULT 231 The 19th Century Song: Lied and Melodie	2
MULT 232 The 20th Century Art Song	2
ITAL 101 Italian I	3
ITAL 102 Italian II	3
FREN 101 Beginning French I	3
FREN 112 Beginning French II	3

Keyboard (18 s.h.)

(in addition to required core courses)

MUCP 303 Theory V-Counterpoint	3
MUCP 304 Theory VI-Orchestration	3
MUCP 310 Keyboard Harmony I	1
MUCP 311 Keyboard Harmony II	1
MUPR 201 Keyboard Literature I	2
MUPR 202 Keyboard Literature II	2
MUPR 436 Piano Pedagogy I	2
Choose two of the following:	
MULT 230 Vocal Repertory from Monody to Mozart	2
MULT 231 The 19th Century Song: Lied and Melodie	2
MULT 232 The 20th Century Art Song	2

Instrumental (18 s.h.)

(Brass, Woodwinds, Strings including guitar, Percussion)

(in addition to required core courses)

MSSN 101 Secondary Instrument Piano I	1
MSSN 102 Secondary Instrument Piano II	1
MSSN 103 Secondary Instrument Piano III	1
MSSN 104 Secondary Instrument Piano IV	1
MUPR 276 Instrumental Literature I	2
MUPR 277 Instrumental Literature II	2
MUCP 303 Theory V-Counterpoint	3
MUCP 304 Theory VI-Orchestration	3
MUPR 439 Pedagogy I	2
Music Elective	2

Theory/Composition Concentration

Required Courses (88 s.h.)

	Semester Hours
MUCP 040 Practicum in Music Theory/Composition (8 semesters)	4
MUAP 121 Applied Music I	2
MUAP 122 Applied Music II	2
MUAP 223 Applied Music III	2
MUAP 224 Applied Music IV	2
MUCP 101 Theory I	3
MUCP 102 Theory II	3
MUCP 103 Aural Skills I	1
MUCP 104 Aural Skills II	1
MUCP 141 Musical Composition	2
MUCP 201 Theory III	3
MUCP 202 Theory IV	3
MUCP 203 Aural Skills III	1
MUCP 204 Aural Skills IV	1
MUCP 303 Theory V-Counterpoint	3
MUCP 304 Theory VI-Orchestration	3
MUCP 245 Private Study in Composition I	2
MUCP 246 Private Study in Composition II	2
MUCP 345 Private Study in Composition III	2
MUCP 346 Private Study in Composition IV	2
MUCP 412 Electronic Music Composition	2
MUCP 445 Private Study in Composition V	3
MUCP 446 Private Study in Composition VI	3
MUED 105 Instrumental Techniques: Strings I	1
MUED 205 Instrumental Techniques: Brass I	1
MUED 206 Instrumental Techniques: Woodwinds I	1
MUED 306 Percussion Instruments	1
MUGN 160 Introduction to Music in World Cultures	3
MUHS 307 Music History I	3
MUHS 308 Music History II	3
MUHS 407 Music History III	3
MUPR 039 Performance Practicum (4 semesters)	0
MUPR 335 Elementary Conducting	2
MUPR 403 Senior Recital	1
Ensemble (See <u>Ensemble Requirements for Graduation</u> , listed previously) 8	
Fours semester hours selected from the following:	
MULT 230 Vocal Repertory from Monody to Mozart	2
MULT 231 The 19th Century Song: Lied and Melodie	2
MULT 232 The 20th Century Art Song	2
MUPR 276 Instrumental Literature I	2
MUPR 277 Instrumental Literature II	2

Music Technology (4 s.h.)

Courses drawn from MUTC, determined by level of experience

MUTC 101	Music and Computer Technology I	1
MUTC 102	Music and Computer Technology II	1
MUTC 103	Introduction to Audio Technology in the Studio I	1
MUTC 104	Introduction to Audio Technology in the Studio II	1
MUTC 200	Independent Study in Computer Audio Technology	1-2
MUTC 211	Practicum in Audio Technology	2
MUTC 299	Independent Study in the Field of Audio Technology	1-2
MUTC 400	Independent Study in Computer Audio Technology	1-4
MUTC 402	Selected Topics in the Field of Audio Technology	3
MUTC 499	Independent Study in the Field of Audio Technology	1-4

Keyboard Primary (4 s.h. in addition to other required courses)

MUCP 310	Keyboard Harmony I	1
MUCP 311	Keyboard Harmony II	1
MUPR 204	Piano Accompanying	2

Voice and Instrumental Primaries (4 s.h. in addition to other required courses)

MSSN 101	Secondary Instrument Piano I	1
MSSN 102	Secondary Instrument Piano II	1
MSSN 103	Secondary Instrument Piano III	1
MSSN 104	Secondary Instrument Piano IV	1

Combined Bachelor of Arts/ Bachelor of Music (5 year program) Degree Requirements

The combined B.A./B. Mus. is a five year program that permits the student to take the full pre-professional Bachelor of Music degree along with the full liberal arts general education program, thus also satisfying the requirements for the Bachelor of Arts. Having completed both components, the graduate is in a position either to continue in performance or composition or to undertake academic graduate work. The program is devised so that in addition to satisfying the usual requirements for both degrees, students have the opportunity to take advanced music courses usually reserved for graduate students. A coherent group of courses outside the field or a formal minor in another area may be substituted for these courses.

Required Courses - All Majors

	Semester Hours
All requirements for the Bachelor of Music in the appropriate concentration.	
All requirements for the Bachelor of Arts general education program.	
In addition:	
Music history and theory electives	12

Music Minor

Select one of the groupings below.

A. Music Skills (23 semester hours):

MUCP 101	Theory I	3
MUCP 102	Theory II	3
MUCP 103	Aural Skills I	1
MUCP 104	Aural Skills II	1
MSSN 101	Secondary Instrument Piano I*	1
MSSN 102	Secondary Instrument Piano II*	1
Primary Instrument (MUAP numbers)		8
Major ensemble (4 semesters, Choir, Band, or Orchestra)		2
MUGN 100	Introduction to Music	3
MUGN 029	Student Recital (2 semesters)	0

B. Music Literature (22 semester hours):

MUCP 101	Theory I	3
MUCP 102	Theory II	3
MUCP 103	Aural Skills I	1
MUCP 104	Aural Skills II	1
MUGN 100	Introduction to Music	3
Major ensemble (4 semesters, Choir, Band, or Orchestra)		2
Music History/Literature electives (MUHS numbers)		9

C. Music History/Theory (24 semester hours):

MUCP 101	Theory I	3
MUCP 102	Theory II	3
MUCP 201	Theory III	3
MUCP 202	Theory IV	3
MUCP 103	Aural Skills I	1
MUCP 104	Aural Skills II	1
MUCP 203	Aural Skills III	1
MUCP 204	Aural Skills IV	1
MSSN 101	Secondary Instrument Piano I*	1
MSSN 102	Secondary Instrument Piano II*	1
MUHS 307	Music History I	3
MUHS 308	Music History II	3

* Students with advanced keyboard skills may substitute MUCP 310 and

MUCP 311 Keyboard Harmony I & II with permission of the department.

Harry Partch/Microtonal Music Studies Minor

Core Requirements (13 semester hours):

MUCP 102	Theory II	3
MUCP 104	Aural Skills II	1
MUCP 361	Advanced Studies in Microtonal Music	3
MUHS 361	Harry Partch Life and Works	3
MUPR 301	Chamber Ensemble Performance (Harry Partch Ensemble six semesters at 0.5 s.h. per semester)	3

Electives (5 semester hours)

MUCP 362	Microtonal Composition Projects	2
MUHS 407	Music History III (Modern Music)	3
MUPR 301	Chamber Ensemble Performance (Contemporary Chamber Ensemble-up to four semesters at 0.5 s.h. per semester)	2
MUPR 301	Chamber Ensemble Performance (Harry Partch Ensemble- up to four semesters at 0.5 credits per semester)	2
MUTC 361	Music Instrument Invention	2

Courses of Instruction

Note: Students who are interested in taking Applied Music courses (MUAP), please see the department chairperson. Special fee. Music majors only.

MSSN 101	SECONDARY INSTRUMENT PIANO I	1.0
Keyboard skills including major and minor scales, arpeggios and chord progressions, sightreading, transposition, harmonization, improvisation. Group instruction.		

MSSN 102	SECONDARY INSTRUMENT PIANO II	1.0
Continuation of MSSN 101. Group instruction.		
<i>Prerequisite: MSSN 101; Music majors or minors only.</i>		

MSSN 103	SECONDARY INSTRUMENT PIANO III	1.0
Continuation of MSSN 102. Group instruction.		
<i>Prerequisite: MSSN 102; Music majors or minors only.</i>		

MSSN 104	SECONDARY INSTRUMENT PIANO IV	1.0
Continuation of MSSN 103. A final comprehensive examination must be passed at the end of the semester. Group instruction.		
<i>Prerequisite: MSSN 103; Music majors or minors only.</i>		

MSSN 111	SECONDARY INSTRUMENT VOICE I	1.0
These courses give to the non-primary vocal student the fundamental elements of vocal technique. The same elements are taught to voice secondary students in classes as are taught to voice primary students in private lessons.		
<i>Prerequisite: Music majors or minors only.</i>		

MSSN 112				MUCP 203			
SECONDARY INSTRUMENT VOICE II	1.0			AURAL SKILLS III	1.0		
Continuation of MSSN 111. Group instruction.				Chromatic and non-tonal sight reading and dictation. "Fixed do" solfeggio. To be taken with MUCP 201.			
<i>Prerequisite: MSSN 111; Music majors or minors only.</i>				<i>Prerequisites: MUCP 104; Music majors or minors only.</i>			
MSSN 121				<i>Corequisite: MUCP 201.</i>			
SECONDARY INSTRUMENT GUITAR I	1.0			MUCP 204			
Basic techniques of guitar playing including chording and melodic work. Group instruction.				AURAL SKILLS IV	1.0		
<i>Prerequisite: Music majors or minors only.</i>				Continuation of MUCP 203. Must be taken with MUCP 202.			
MSSN 122				<i>Prerequisites: MUCP 203; Music majors or minors only.</i>			
SECONDARY INSTRUMENT GUITAR II	1.0			<i>Corequisite: MUCP 202.</i>			
Continuation of MSSN 121. Group instruction.				MUCP 245			
<i>Prerequisite: MSSN 121; Music majors or minors only.</i>				PRIVATE STUDY IN COMPOSITION I	2.0		
MUCP 040				Restricted to majors in theory/composition.			
PRACTICUM IN MUSIC THEORY/COMPOSITION	0.5			<i>Prerequisites: Music major; special fee.</i>			
A forum for students majoring in music theory and/or composition to present completed and on-going projects to peers for critiquing, as well as hearing presentations by visiting specialists in these areas. May be repeated eight times for a total of four credits.				MUCP 246			
<i>Prerequisite: Music Theory/Composition majors only.</i>				PRIVATE STUDY IN COMPOSITION II	2.0		
MUCP 101				Restricted to majors in theory/composition.			
THEORY I	3.0			<i>Prerequisites: MUCP 245; special fee.</i>			
Study of harmony, counterpoint and musical analysis of small forms. Must be taken with MUCP 103.				MUCP 303			
<i>Prerequisites: Music majors or minors only.</i>				THEORY V-COUNTERPOINT	3.0		
<i>Corequisite: MUCP 103.</i>				Study of part writing, species and free contrapuntal practices and techniques. Contrapuntal and layer analysis.			
MUCP 102				<i>Prerequisites: MUCP 202; Music majors only.</i>			
THEORY II	3.0			MUCP 304			
Continuation of MUCP 101. Must be taken with MUCP 104.				THEORY VI-ORCHESTRATION	3.0		
<i>Prerequisites: MUCP 101; Music majors or minors only.</i>				Study of compositional and arranging techniques appropriate to writing for individual instruments and voices and for ensembles of various size and character.			
<i>Corequisite: MUCP 104.</i>				<i>Prerequisites: MUCP 202, Music majors only.</i>			
MUCP 103				MUCP 310			
AURAL SKILLS I	1.0			KEYBOARD HARMONY I	1.0		
Sight reading and dictation in major and minor modes, using diatonic chord progressions. Basic solfeggio. Must be taken with MUCP 101.				Skills pianists will need as professional performers, therapists, and educators. Harmonization, transposition, improvisation, realization of figured bass, reduction of open scores, and sight reading.			
<i>Prerequisites: Music majors or minors only.</i>				<i>Prerequisites: MUCP 102; Music majors or minors only.</i>			
<i>Corequisite: MUCP 101.</i>				MUCP 311			
MUCP 104				KEYBOARD HARMONY II	1.0		
AURAL SKILLS II	1.0			Continuation of MUCP 310.			
Continuation of MUCP 103; must be taken with MUCP 102.				<i>Prerequisites: MUCP 310; Music majors or minors only.</i>			
<i>Prerequisites: MUCP 103; Music majors or minors only.</i>				MUCP 345			
<i>Corequisite: MUCP 102.</i>				PRIVATE STUDY IN COMPOSITION III	2.0		
MUCP 141				Restricted to majors in theory/composition.			
MUSICAL COMPOSITION	2.0			<i>Prerequisites: MUCP 246; Special fee.</i>			
Practical exploration of the various trends in 20th century composition.				MUCP 346			
<i>Prerequisite: Majors only.</i>				PRIVATE STUDY IN COMPOSITION IV	2.0		
MUCP 150				Restricted to majors in theory/composition.			
FUNDAMENTALS OF MUSIC FOR THE NON-MAJOR	3.0			<i>Prerequisites: MUCP 345; special fee.</i>			
Introduction to music notation: reading of clefs, key signatures and their relationship to various modes; rhythm and meter: basic harmonic structures (intervals, triads, and seventh chords). Sight singing and dictation stressed. Meets the 1983 General Education Requirement (GER)-Electives, Creative Expression.				MUCP 361			
MUCP 201				ADVANCED STUDIES IN MICROTONAL MUSIC	3.0		
THEORY III	3.0			Advanced studies in Microtonal Music, Harry Partch's theories and compositions, contemporary compositional applications.			
Chromatic harmony; intermediate contrapuntal techniques; analysis of the larger instrumental forms.				<i>Prerequisite: MUHS 361.</i>			
<i>Prerequisites: MUCP 102; Music majors or minors only.</i>				MUCP 362			
<i>Corequisite: MUCP 203.</i>				MICROTONAL COMPOSITION PROJECTS	2.0		
MUCP 202				Composition projects for the MSU Harry Partch Ensemble. May be repeated 3 times for a total of 8 credits.			
THEORY IV	3.0			<i>Prerequisite: MUHS 361.</i>			
Continuation of MUCP 201. Must be taken with MUCP 204.				<i>Corequisite: MUPR 361.</i>			
<i>Prerequisites: MUCP 201, Music majors or minors only.</i>							
<i>Corequisite: MUCP 204.</i>							

MUCP 412		
ELECTRONIC MUSIC COMPOSITION	2.0	
Exploration of electronic music techniques; practical experience in both concrete and synthesizer music.		
<i>Prerequisites: MUCP 202; Music majors only.</i>		
MUCP 445		
PRIVATE STUDY IN COMPOSITION V	3.0	
Restricted to majors in theory/composition.		
<i>Prerequisites: Majors only; MUCP 346; special fee.</i>		
MUCP 446		
PRIVATE STUDY IN COMPOSITION VI	3.0	
Restricted to majors in theory/composition.		
<i>Prerequisites: Majors only; MUCP 445; special fee.</i>		
MUCP 499		
INDEPENDENT STUDY IN MUSIC THEORY/COMPOSITION	1.0-4.0	
Project and/or study area planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUED 105		
INSTRUMENTAL TECHNIQUES: STRINGS I	1.0	
Basic playing skills and pedagogical techniques for teaching violin and viola at the elementary and secondary school levels.		
<i>Prerequisite: Music majors only.</i>		
MUED 106		
INSTRUMENTAL TECHNIQUES: STRINGS II	1.0	
Basic playing skills and pedagogical techniques for teaching cello and string bass at the elementary and secondary school levels.		
<i>Prerequisites: Music majors only; MUED 105.</i>		
MUED 132		
MARCHING BAND TECHNIQUES	1.0	
Methods, organization and planning; drill design, playing, rehearsal techniques. Music majors only.		
<i>Prerequisite: Music majors only.</i>		
MUED 200		
INTRODUCTION TO MUSIC EDUCATION	2.0	
Methodologies, techniques and materials of music education. Philosophical and practical foundations and applications of learning theories.		
<i>Prerequisite: Sophomore standing; Music majors only.</i>		
MUED 201		
PRACTICUM IN MUSIC EDUCATION I	1.0	
Supervised observation and participation in public school music classes and activities.		
<i>Prerequisites: Music education concentration students only.</i>		
MUED 202		
PRACTICUM IN MUSIC EDUCATION II	1.0	
Development of teaching skills by observation of public school music instruction and by serving as a teacher's aide.		
<i>Prerequisites: MUED 320; Music education concentration students only.</i>		
MUED 205		
INSTRUMENTAL TECHNIQUES: BRASS I	1.0	
Basic playing skills and pedagogical techniques for teaching trumpet and French horn at the elementary and secondary school levels.		
<i>Prerequisite: Music majors only.</i>		
MUED 206		
INSTRUMENTAL TECHNIQUES: WOODWIND I	1.0	
Basic playing skills and pedagogical techniques for teaching clarinet and saxophone at the elementary and secondary school levels.		
<i>Prerequisite: Music majors only.</i>		
MUED 207		
INSTRUMENTAL TECHNIQUES: BRASS II	1.0	
Basic playing skills and pedagogical techniques for teaching trombone, baritone horn/euphonium, and tuba at the elementary and secondary school levels. May be repeated twice for a total of 3 semester hours.		
<i>Prerequisite: Music majors only; MUED 205.</i>		
MUED 208		
INSTRUMENTAL TECHNIQUES: WOODWINDS II	1.0	
Basic playing skills and pedagogical techniques for teaching oboe, flute, and bassoon at the elementary and secondary school levels. May be repeated twice for a total of 3 semester hours.		
<i>Prerequisite: Music majors only; MUED 206.</i>		
MUED 301		
LABORATORY ENSEMBLE	0.50	
Study of rehearsal and conducting techniques, performance procedures, and application of skills involving secondary instruments. May be taken four times for a total of 2.0 credits.		
<i>Prerequisites: MUPR 335; two of the following: MUED 105, MUED 106, MUED 205, MUED 206, MUED 207, MUED 208, MUED 306.</i>		
MUED 306		
PERCUSSION INSTRUMENTS	1.0	
Elementary skills on snare drum, bass drum, timpani, cymbals, bells, etc.; materials and methods for teaching these instruments in the classroom. Music majors only.		
<i>Prerequisite: Music majors only.</i>		
MUED 320		
MUSIC CLASSROOM METHODS I	3.0	
Processes of music teaching which enhance problem solving and critical thinking on the part of the student. Principles of designing strategies which encourage the development of music skills, creative musical thinking, and positive attitudes in both the general and instrumental classroom setting. Sequential curriculum. Discussion of current methodologies.		
<i>Prerequisites: MUCP 202; Music majors only.</i>		
MUED 321		
MUSIC CLASSROOM METHODS II	3.0	
Musical approaches, activities, and materials appropriate for middle and high school non-performance classes. Special consideration given to musical and intellectual needs of developing adolescents and to current issues in Arts Education.		
<i>Prerequisite: MUED 320.</i>		
MUED 334		
CHORAL METHODS	3.0	
This course will seek to provide an in-depth exploration of the teaching of choral music as applied to the school music program from the elementary level through secondary. Topics will include items such as program philosophy, recruitment and retention, program organization and management, literature selection and ensemble pedagogy.		
<i>Prerequisite: MSSN 111 (non-vocal majors only); MUPR 335.</i>		
MUED 335		
CONDUCTING FOR MUSIC EDUCATORS	2.0	
Rehearsal and performance techniques involved in conducting elementary and secondary school ensembles. Hands-on conducting of Lab Ensemble.		
<i>Prerequisite: MUPR 335.</i>		
<i>Corequisite: MUPR 033.</i>		
MUED 405		
ORCHESTRA CONDUCTING AND SCORE READING	2.0	
Ear training appropriate to conducting, baton technique, score reading, interpretation.		
<i>Prerequisite: MUPR 335; Music majors only.</i>		

MUED 420		
INSTRUMENTAL METHODS	3.0	
This course will seek to provide an in-depth exploration of the teaching of instrumental music as applied to the school music program from elementary level through secondary. Topics will include items such as program philosophy, recruitment and retention, program organization and management, literature selection, and ensemble pedagogy.		
<i>Prerequisites: MUED 105 and 106 and MUED 205 and MUED 206 and MUED 207 and MUED 208 and MUED 305 and MUPR 335.</i>		
MUED 499		
INDEPENDENT STUDY IN MUSIC EDUCATION	1.0-4.0	
Project and/or study area planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUGN 100		
INTRODUCTION TO MUSIC	3.0	
Expansion of musical awareness through live performance and directed listening. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.		
MUGN 160		
INTRODUCTION TO MUSIC IN WORLD CULTURES	3.0	
The cultural and artistic forces which shape the musics of the non-Western world and the various folk and art musics resulting from those forces. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.		
MUGN 199		
FRESHMAN SEMINAR FOR MUSIC MAJORS	1.0	
An introduction to Montclair State University, the School of the Arts, and the Music Department. The course covers the broad spectrum of music careers and fields as well as the culture of music in our society and the musician's relationship to this culture. Relevant issues relating to the common experience of all students will be discussed, focusing particularly on health and wellness, ethnic backgrounds and prejudices in our society, and the acquisition of "survival" skills to be a responsible, involved, and contributing student in the MSU community. Meets Gen Ed 2002—New Student Seminar.		
MUGN 209		
INTRODUCTION TO JAZZ	3.0	
Jazz as an American phenomenon. Musical materials as manipulated by jazz artists; the impact on American popular music, dance and theater; early jazz players and developments. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.		
MUGN 236		
THE AMERICAN MUSICAL	3.0	
Introduction to the varieties of style in music for the purpose of extending dramatic action, characterization and atmosphere in musicals, operettas and musical comedies. Representative works from 1927 to present. Meets the 1983 General Education Requirement—Fine and Performing Arts: Art Appreciation.		
MUGN 250		
RAP AND ROCK AS CULTURAL PHENOMENA	3.0	
This course will explore the creative process in music of urban cultures. It will examine social structures, and the criteria of the groups which make and appreciates styles that emanate from urban cultures. Rap music will be the primary focus. Attention will also be given to other styles, such as Rock, rooted in the same historical background. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression. Meets the Multicultural Awareness Requirement.		
MUGN 352		
MUSIC IN FILM	3.0	
Aesthetic and social effects of music on cinematography; enhancing plot, augmenting visual qualities and focusing audience attention. Music from early silent films to modern. No previous music or film experience required.		
MUGN 499		
INDEPENDENT STUDY IN MUSIC	1.0-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MUHS 307		
MUSIC HISTORY I	3.0	
Research methods and music bibliography. Styles, genres and shaping forces of Western music from the rise of polyphony in the Middle Ages through the music of Haydn and Mozart. Meets the University Writing Requirement for MUED, MUPF, MUSC, MUTC, MUTH majors.		
<i>Prerequisites: MUCP 102; Music majors or minors only.</i>		
MUHS 308		
MUSIC HISTORY II	3.0	
Continuation of MUHS 307, beginning with Beethoven; the music of the Romantic era as manifested in the nineteenth and twentieth centuries; major currents of the Modern era.		
<i>Prerequisites: MUHS 307; Music majors or minors only.</i>		
MUHS 361		
HARRY PARTCH – LIFE AND WORKS	3.0	
Survey of basic theories, instrument inventions, compositions. Features hands-on introduction to instruments, just intonation, acoustics, and ear training.		
MUHS 407		
MUSIC HISTORY III	3.0	
Major figures, forms, genres and styles from Debussy to the present.		
<i>Prerequisite: MUHS 308; Music majors or minors only.</i>		
MUHS 499		
INDEPENDENT STUDY IN MUSIC HISTORY AND LITERATURE	1.0-4.0	
Project and/or study planned with sponsoring faculty member.		
<i>Prerequisite: Departmental approval.</i>		
MULT 230		
VOCAL REPERTORY FROM MONODY TO MOZART	2.0	
Overview of styles, genres, and performance practices of the seventeenth and eighteenth centuries and its musical environment.		
<i>Prerequisites: Majors only, MUPR 131, or departmental approval.</i>		
MULT 231		
THE 19TH CENTURY SONG: LIED AND MELODIE	2.0	
A survey through performance and discussion of the origins and development of the 19th century German Lied and the French Melodie.		
<i>Prerequisites: Majors only, MUPR 131, or departmental approval.</i>		
MULT 232		
THE 20TH CENTURY ART SONG	2.0	
The development of the art song in the 20th century through a survey of solo vocal literature of Europe and the Americas.		
<i>Prerequisites: Majors only, MUPR 131, or departmental permission.</i>		
MUPR 020		
CHAMBER SINGERS	0.0-0.5	
Study through rehearsal and performance of Madrigals. Open to all through audition.		
<i>Prerequisite: Departmental approval</i>		
MUPR 030		
CHOIR	0.0-0.5	
MUPR 031		
ORCHESTRA	0.0-0.5	
MUPR 032		
BAND	0.0-0.5	

MUPR 034		
OPERA WORKSHOP	0.0-2.0	
Opera studied through performance. Nature of dramatic music, problems of movement, make-up, costuming, props and scenery.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 038		
COLLEGIUM MUSICUM	0.0-0.5	
Workshop in performance of Medieval, Renaissance, and Baroque music for instrumentalists and singers. Introduction to the elements of Renaissance musicianship (solmization, modes, musica ficta, notation, improvisation, and ornamentation). Introduction on early instruments (recorder, lute, viol, others). Concert performances of repertory studied.		
MUPR 039		
PERFORMANCE PRACTICUM	0.0	
All music majors must register for this number each semester in order to free their schedules for recital and masterclass commitments. This course is offered as Pass/Fail only.		
MUPR 040		
PERFORMANCE PRACTICUM FOR PERFORMANCE MAJORS	0.5	
Performance of repertoire for coaching in interpretation, style, analysis, technique, etc. Required in conjunction with each course in the primary and major instrument.		
<i>Prerequisite: Music performance majors only.</i>		
MUPR 100		
CLASS PIANO FOR THE NON-MUSIC MAJOR	3.0	
Basic skills and fundamental knowledge of the keyboard. A basic knowledge of music reading is helpful but not necessary. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
MUPR 103		
VOICE CLASS FOR THE NON-MUSIC MAJOR	3.0	
Study of singing through vocal exercises and the performance of English and American art, theatrical and popular songs. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.		
MUPR 130		
INTRODUCTION TO DICTION: ENGLISH AND ITALIAN	1.0	
Introduction to the International Phonetic Alphabet and an overview of the basic sounds of Italian and English as they are properly sung. Practice in transcribing, pronouncing and singing examples of Italian and English vocal repertory.		
<i>Prerequisites: Majors and minors only.</i>		
MUPR 131		
DICTION OVERVIEW: GERMAN AND FRENCH	1.0	
Continued work with the International Phonetic Alphabet and an overview of the basic sounds of German and French as they are properly sung. Practice in transcribing, pronouncing, and singing examples of German and French vocal repertory.		
<i>Prerequisites: Majors only; MUPR 130.</i>		
MUPR 201		
KEYBOARD LITERATURE I	2.0	
Investigation of standard keyboard repertory from the early Baroque through the early Romantic.		
<i>Prerequisite: Music Performance majors only.</i>		
MUPR 202		
KEYBOARD LITERATURE II	2.0	
Investigation of standard keyboard repertory from the early Romantic to the present.		
<i>Prerequisites: MUPR 201, Music Performance majors only.</i>		
MUPR 203		
SOPHOMORE RECITAL	1.0	
Public performance of solo literature. Required of MUPR majors. This course will be graded.		
<i>Prerequisites: Music Performance majors only.</i>		
MUPR 204		
PIANO ACCOMPANYING	2.0	
Problems of transposition, ensemble, interpretation and sight reading as applied to accompanying vocal and instrumental literature.		
<i>Prerequisite: Music majors or minors only.</i>		
MUPR 276		
INSTRUMENTAL LITERATURE I	2.0	
Survey of various instrumental genres for solo, small ensemble and orchestra.		
<i>Prerequisite: Music Performance majors only.</i>		
MUPR 277		
INSTRUMENTAL LITERATURE II	2.0	
Continuation of Instrumental Literature I.		
<i>Prerequisites: MUPR 276; Music Performance majors only.</i>		
MUPR 301		
CHAMBER ENSEMBLE PERFORMANCE	0.0-0.5	
Study through playing or singing of chamber music in ensembles of varying size and musical styles.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 302		
JAZZ ENSEMBLE	0.0-0.5	
Contemporary ensemble requirements like jazz phrasing, section playing, interpretation, improvisation studied through ensemble rehearsal and performance.		
<i>Prerequisite: Departmental approval.</i>		
MUPR 303		
JUNIOR RECITAL	1.0	
Public performance of solo literature. Required of MUPR majors, if MUPR 203 not completed. This course will be graded.		
<i>Prerequisites: Music Performance majors only.</i>		
MUPR 335		
ELEMENTARY CONDUCTING	2.0	
Baton techniques and clef reading in orchestral and choral scores.		
<i>Prerequisite: All Music majors or minors.</i>		
MUPR 361		
HARRY PARTCH ENSEMBLE	0.5	
Learning to play instruments from the Harry Partch instrumentarium and new techniques on standard instruments, voice. Repertoire ensemble. May be repeated 7 times for a total of 4 credits.		
MUPR 403		
SENIOR RECITAL	0.0	
Public performance of solo literature. Required of MUED and MUPR majors. If taken for 1.0 credit (MUPR majors), this course will be graded.		
<i>Prerequisites: Music majors only.</i>		
MUPR 410		
BEGINNING JAZZ IMPROVISATION	1.0	
Study and application of techniques of jazz improvisation for beginning improvisers, including pedagogical considerations. Both the modal and pentatonic methods will be explored with a constant emphasis upon stylistic consideration based in the aural tradition. May be repeated once for a total of two credits.		
<i>Prerequisites: MUCP 101 and MUCP 102 or departmental approval.</i>		
MUPR 411		
JAZZ PEDAGOGY	1.0	
In preparation for the demands of public school teaching, this course will provide a practical pedagogical focus on jazz ensemble instruction. Emphasis will be on the whole and components of small and large instrumental and vocal jazz ensembles with particular emphasis on the rhythm section. Also included will be a pedagogical perspective on content studied in MUPR 410.		
<i>Prerequisite: MUPR 410.</i>		

MUPR 436			
PIANO PEDAGOGY I	2.0		
Methods and materials of teaching piano for piano grades I through IV.			
<i>Prerequisites: Music majors only.</i>			
MUPR 439			
PEDAGOGY I	2.0		
Methods and materials of instruction in music.			
<i>Prerequisite: Music majors only.</i>			
MUPR 441			
PEDAGOGY OF THE VOICE	2.0		
teaching techniques and pedagogical literature pertinent to instruction in singing.			
<i>Prerequisite: Music majors only.</i>			
MUPR 499			
INDEPENDENT STUDY IN MUSIC PERFORMANCE	1.0-4.0		
Project and/or study planned with sponsoring faculty member.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 101			
MUSIC AND COMPUTER TECHNOLOGY I	1.0		
Introduction to the musical applications of computer technology. Hands-on experience with leading music software. Final multimedia project required.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 103			
INTRODUCTION TO AUDIO TECHNOLOGY IN THE STUDIO I	1.0		
An introductory course to audio and recording technology. Focus will include history, explanation of sound properties, hands-on application using recording equipment, and experience performing in a studio environment.			
<i>Prerequisite: Departmental approval.</i>			
MUTC 361			
MUSIC INSTRUMENT INVENTION	2.0		
Studies in the acoustics and instrument construction through creative projects and ongoing maintenance of Harry Partch instrumentarium. May be repeated 3 times for a total of 8 semester hours.			
MUTH 100			
INTRODUCTION TO MUSIC THERAPY	2.0		
Survey of use of music therapy with various populations and other topics of relevance to the music therapist.			
MUTH 260			
METHODS AND MATERIALS IN MUSIC THERAPY	2.0		
A variety of music activities and how to adapt them for music therapy settings; leadership techniques; simple instruments used in therapy.			
<i>Prerequisites: MUTH 261; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 263.</i>			
MUTH 261			
THERAPY AND OBSERVATION SKILLS FOR MUSIC THERAPY	2.0		
Observing, measuring, and recording behavior in a music therapy setting and other aspects of planning for music therapy session as well as observing music therapy sessions.			
<i>Prerequisite: MUTH 100; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 262.</i>			
MUTH 262			
MUSIC THERAPY PRACTICUM I	1.0		
Improvement of the functioning of a client or group of clients with physical or mental disabilities through the use of music therapy. Discussion of the clients and their progress and other aspects of the clinical work.			
<i>Prerequisites: Music Therapy majors only.</i>			
<i>Corequisite: MUTH 261.</i>			
MUTH 263			
MUSIC THERAPY PRACTICUM II	1.0		
Continuation of MUTH 262.			
<i>Prerequisite: Music Therapy majors only. Special fee.</i>			
<i>Corequisite: MUTH 260.</i>			
MUTH 306			
PIANO ACCOMPANYING TECHNIQUES FOR THE MUSIC THERAPIST	1.0		
Accompanying techniques adapted for music therapy. Choral harmonization, playing by ear, sightreading, learning music therapy repertoire.			
<i>Prerequisite: MSSN 104 or MUCP 311; Music Therapy majors only.</i>			
MUTH 307			
PIANO IMPROVISATION FOR THE MUSIC THERAPIST	1.0		
Improvisation in a variety of styles. Clinical adaptations.			
<i>Prerequisite: MUTH 306; Music Therapy majors only.</i>			
MUTH 361			
MUSIC THERAPY PRACTICUM III	1.0		
Continuation of MUTH 263.			
<i>Prerequisite: Music Therapy majors only.</i>			
<i>Corequisite: MUTH 461.</i>			
MUTH 362			
MUSIC THERAPY PRACTICUM IV	1.0		
Continuation of MUTH 361.			
<i>Prerequisite: Music Therapy majors only. Special fee.</i>			
<i>Corequisite: MUTH 463.</i>			
MUTH 363			
MUSIC THERAPY PRACTICUM V	1.0		
Continuation of MUTH 362.			
<i>Prerequisite: Music Therapy majors only.</i>			
<i>Corequisite: MUTH 462.</i>			
MUTH 364			
MUSIC THERAPY PRACTICUM VI	1.0		
Continuation of MUTH 363.			
<i>Prerequisite: Music Therapy majors only. Special fee.</i>			
<i>Corequisite: MUTH 464.</i>			
MUTH 400			
MUSIC THERAPY TRAINING GROUP	1.5		
Expression and exploration of feelings through use of creative media. Particular attention to process so that experience may be generalized and subsequently used with client groups. Meets 2 1/2 hours per week.			
<i>Prerequisite: MUTH 260.</i>			
MUTH 402			
GUIDED IMAGERY AND MUSIC (GIM)	1.5		
Introduction to the facets of Guided Imagery and Music. Theory and process of the technique will be explored verbally and experientially. Is equivalent (with possible additional requirements) to Level I GIM training.			
<i>Prerequisite: MUTH 260.</i>			
MUTH 461			
MUSIC THERAPY WITH CHILDREN	3.0		
Ways in which music and the therapist may be used to influence the behavior of children, the mentally retarded, and the physically disabled.			
<i>Prerequisites: MUTH 260; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 361.</i>			
MUTH 462			
MUSIC THERAPY WITH ADULTS	3.0		
Ways in which music therapy may be used in working with adult psychiatric patients, addictions, offenders, and geriatrics. Setting up a music therapy program.			
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 363.</i>			
MUTH 463			
PSYCHOLOGICAL FOUNDATIONS OF MUSIC I	3.0		
Emotional correlates of the musical experience are explored through research findings, psychological testing and inquiry, and philosophy. Current theories applied to practice in music therapy, education and performance are discussed.			
<i>Prerequisite: MUTH 260; Music Therapy majors only.</i>			
<i>Corequisite: MUTH 362.</i>			

MUTH 464

PSYCHOLOGICAL FOUNDATIONS OF MUSIC II 3.0

Basic techniques of conducting, reading, and interpreting psychological research in music are reviewed. Quantitative and qualitative methodologies are emphasized. Implication for various aspects of music are discussed.

Prerequisite: MUTH 260; Music Therapy majors only.

Corequisite: MUTH 364.

MUTH 465

INTERNSHIP IN MUSIC THERAPY 1.0

Six months clinical training as a music therapy intern in an approved training program.

Prerequisite: Departmental approval.

MUTH 499

INDEPENDENT STUDY IN MUSIC THERAPY 0.5-4.0

Project and/or study planned with sponsoring faculty member.

Prerequisite: Departmental approval.

PHILOSOPHY AND RELIGION

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Michael S. Kogan

Taking courses in philosophy and religious studies means gaining a greater ability to think clearly and independently about the central issues of human life. These studies present the occasion and the means to reflect critically on basic values and beliefs. The courses complement other major programs by enhancing awareness of the philosophical, ethical and religious elements and implications of other academic studies.

Both areas can be taken as a major leading to a Bachelor of Arts degree. They are also good second majors to enrich a liberal arts interest. A minor is offered in both programs. Each major is excellent preparation for later graduate and professional work.

Philosophy Major

Required Courses (21 semester hours)

	Semester Hours
PHIL 210 Ethics	3
PHIL 212 Social and Political Philosophy	3
PHIL 310 Knowledge, Belief and Truth	3
PHIL 312 Existence and Reality	3
PHIL 331 History of Philosophy: Ancient Philosophy	3
PHIL 333 History of Philosophy: Modern Philosophy	3
PHIL 424 Seminar in Philosophy	3

Philosophy Electives

To fulfill this requirement a student may take any four PHIL courses except for the seven required courses listed above.

Total Semester Hours33

Philosophy Minor

Required Courses (18 semester hours)

	Semester Hours
Fields of Philosophy (even course numbers)	6-12
History and Movements in Philosophy (odd course numbers)	6-12

Note: The department recommends that the student consult with a departmental advisor for the choice of courses.

Religious Studies Major

I. Texts: Two courses required

RELG 200 Old Testament: Genesis-Joshua	3
RELG 202 Old Testament: Joshua-Daniel	3
RELG 204 New Testament: Jesus and the Gospels	3
RELG 206 New Testament: Paul and the Early Church	3
RELG 207 Religious Texts in America: Women	3
RELG 214 Classical Texts of Asian Religions	3
RELG 300 Classics of Western Religious Thought	3
RELG 352 Selected Study in Religious Texts	3

II. Issues: Two courses required

RELG 103 Religion and Moral Issues	3
RELG 104 Feminist Theology and Spirituality	3
RELG 218 Death, Dying, and Afterlife	3
RELG 225 Religion and Social Change	3
RELG 273 The Holocaust: Religious Perspectives	3
RELG 332 Myth, Meaning and Self	3
RELG 357 Selected Study in Religious Issues	3

III. Approaches: Two courses required

RELG 101 Introduction to Religion	3
RELG 221 Religion and Culture	3
RELG 262 Philosophy of Religion	3

RELG 263 Religion and Psychology	3
RELG 267 Women in Religion	3
RELG 326 Theology	3
RELG 355 Selected Study in Religion and Culture	3

IV. Global Religious Traditions: (RELG 100, plus 3 other courses) ...12

RELG 100 Religions of the World (required)	3
RELG 106 African Religious Traditions	3
RELG 108 African-American Religious Experience	3
RELG 210 Native American Religions	3
RELG 212 Asian Religions	3
RELG 213 Buddhism	3
RELG 215 Hinduism	3
RELG 216 Islamic Religious Traditions	3
RELG 217 Taoism	3
RELG 223 Religion in North America	3
RELG 256 Religion in Latin America	3
RELG 258 Christian History and Thought	3
RELG 301 Contemporary Jewish Thought	3
RELG 350 Selected Study in World Religions	3

V. Seminars: One required

RELG 460 Seminar in World Religions	3
RELG 462 Seminar in Religious Texts	3
RELG 465 Seminar in Religion and Culture	3
RELG 467 Seminar in Religious Issues	3

Focus: In selecting courses from the above categories, students must include at least one of the following: RELG 104, RELG 207, RELG 267.

Total Semester Hours33

Religious Studies Minor

Required Courses

RELG 100 Religions of the Worlds	3
or	
RELG 101 Introduction to Religion	3
Choose one of the following:	
RELG 460 Seminar in World Religions	3
RELG 462 Seminar in Religious Texts	3
RELG 465 Seminar in Religion and Culture	3
RELG 467 Seminar in Religious Issues	3

Electives (Departmental)

Select four additional RELG courses	12
RELG 100 Religions of the World	3
RELG 101 Introduction to Religion	3
RELG 103 Religion and Moral Issues	3
RELG 104 Feminist Theology and Spirituality	3
RELG 106 African Religious Traditions	3
RELG 108 African-American Religious Experience	3
RELG 200 Old Testament: Genesis-Joshua	3
RELG 202 Old Testament: Joshua-Daniel	3
RELG 204 New Testament: Jesus and the Gospels	3
RELG 206 New Testament: Paul and the Early Church	3
RELG 207 Religious Texts in America: Women	3
RELG 210 Native American Religions	3
RELG 212 Asian Religions	3
RELG 213 Buddhism	3
RELG 214 Classical Texts of Asian Religions	3
RELG 215 Hinduism	3
RELG 216 Islamic Religious Traditions	3
RELG 217 Taoism	3
RELG 218 Death, Dying, and Afterlife	3
RELG 221 Religion and Culture	3
RELG 223 Religion in North America	3
RELG 225 Religion and Social Change	3
RELG 256 Religion in Latin America	3
RELG 258 Christian History and Thought	3
RELG 262 Philosophy of Religion	3
RELG 263 Religion and Psychology	3
RELG 267 Women in Religion	3
RELG 273 The Holocaust: Religious Perspectives	3
RELG 300 Classics of Western Religious Thought	3

RELG 301	Contemporary Jewish Thought	3
RELG 326	Theology	3
RELG 332	Myth, Meaning and Self	3
RELG 350	Selected Study in World Religions	3
RELG 352	Selected Study in Religious Texts	3
RELG 355	Selected Study in Religion and Culture	3
RELG 357	Selected Study in Religious Issues	3
RELG 460	Seminar in World Religions	3
RELG 462	Seminar in Religious Texts	3
RELG 465	Seminar in Religion and Culture	3
RELG 467	Seminar in Religious Issues	3

Total Semester Hours 18

Courses of Instruction ***Philosophy***

PHIL 100	INTRODUCTION TO PHILOSOPHY	3.0
The nature, scope, methods, basic problems and major types of philosophy. Meets Gen Ed 2002–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.		
PHIL 106	LOGIC	3.0
The forms of deductive and inductive argument in traditional logic, the fundamentals of modern formal logic. Meets Gen Ed 2002–Philosophy or Religion. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.		
PHIL 202	ETHICS AND BUSINESS	3.0
A study of the meaning of morality in the modern world of business. Course contains a balance of theory and practice as it examines behavior of business against background of conflicting ethical theory.		
PHIL 204	PHILOSOPHICAL ISSUES IN BIOMEDICAL ETHICS	3.0
A study of moral decision making in regard to specific moral problems arising in such areas of contemporary medical research and practice as experimentation on human subjects, euthanasia, abortion, information rights of patients, and eugenic sterilization.		
PHIL 206	PHILOSOPHICAL ISSUES IN LAW AND JUSTICE	3.0
An examination of current philosophical accounts of both distributive and retributive justice. Close attention will be paid to such specific issues as the right of society to legislate its common morality, the use of behavior modification techniques on criminal offenders and the restoration of capital punishment.		
PHIL 210	ETHICS	3.0
The nature of ethical judgments, the meaning of moral concepts, the conditions of moral responsibility and the methodological presuppositions of ethical theories. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.		
PHIL 212	SOCIAL AND POLITICAL PHILOSOPHY	3.0
The nature of society and the state, their relation to each other and to the individual, and an evaluation of some main political and social ideals. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.		
PHIL 231	AMERICAN PHILOSOPHY	3.0
The major American philosophers and philosophical movements with emphasis on Peirce, James, Royce, and Dewey.		
PHIL 233	CONTEMPORARY PHILOSOPHERS	3.0
The major movements in contemporary philosophy, studied through writings of leading exponents.		

PHIL 237	ASIAN PHILOSOPHY	3.0
Philosophical interpretations of experience and reality in representative movements of Eastern thought. Meets the Multicultural Awareness Requirement.		
PHIL 239	EXISTENTIALISM	3.0
The major themes and concepts of existentialism in selected writings of the existentialist philosophers.		
PHIL 260	PHILOSOPHIES OF ART	3.0
The major philosophies of art in the history of Western thought. The conceptual network of ideas of the thinker in question will be delineated, and connections shown between the thinker and the philosophical and artistic themes of that period.		
PHIL 262	PHILOSOPHY OF RELIGION	3.0
The nature and shape of religious experience; criteria for meaning within religious thought and language. Metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.		
PHIL 264	CRITICAL REASONING AND ARGUMENTS	3.0
An intermediary level course concentrating upon argumentation and rhetorical devices as they actually function in everyday conversation, philosophical discussion, forensic debate, etc. Arguments will be examined with an eye to penetrating purely formal structure and discovering the underlying dynamics which contribute to cogency in a given context.		
PHIL 266	PHILOSOPHY OF SCIENCE	3.0
The epistemological character of scientific thought and the relevance of scientific findings for the clarification and eventual resolution of traditional philosophical issues.		
PHIL 270	PHILOSOPHY OF MIND	3.0
Philosophical issues arising from the study of mental processes including the relation of a person to the body, life after death, and the possible reduction of consciousness to a brain process.		
PHIL 271	PHILOSOPHY OF SPORT	3.0
Survey of the philosophical aspects of sport along with development of philosophical ideas about sport from the origins of competitive sport to the present. Special attention will be paid to such classic issues as the ontological status of games, sport as moral education, and athletics as substitutes for war.		
PHIL 280	PHILOSOPHY OF CYBERSPACE	3.0
Contemporary and classical philosophical and ethical issues as applied to computer-mediated communication.		
PHIL 290	FIELDS OF PHILOSOPHY: SELECTED TOPICS	3.0
Selected study of major fields in philosophy. Philosophy of science, philosophy of history, philosophy of law. Topics announced each semester.		
PHIL 295	PERIODS AND MOVEMENTS: SELECTED TOPICS	3.0
Topics announced each semester.		
PHIL 310	KNOWLEDGE, BELIEF AND TRUTH	3.0
The major issues and theories concerning the relationship between knowledge, experience and reality.		
PHIL 312	EXISTENCE AND REALITY	3.0
An examination of major philosophical theories concerning the nature of reality.		

PHIL 316
PHILOSOPHY OF LAW 3.0
 An introduction to the philosophical issues of jurisprudence. Close attention is given to the status and nature of law, the concept of equality and the limits of law.

PHIL 324
LEGAL REASONING 3.0
 Theoretical foundations for developing models and methods of addressing legal problems. Principles of legal reasoning and argument in the Anglo-American common law tradition. Models of legal reasoning and methodology for resolving legal problems as developed within evolving social and philosophical notions of justice and fairness. Cross listed with legal Studies, LSLW 324.

PHIL 330
PHILOSOPHY AND DEATH 3.0
 Seminar devoted to philosophical, mainly ethical and metaphysical, questions about death.

PHIL 331
HISTORY OF PHILOSOPHY: ANCIENT PHILOSOPHY 3.0
 The major philosophical systems and movements from the pre-Socratics to Plotinus with special emphasis on Plato and Aristotle. Meets the University Writing Requirement for PHIL majors.

PHIL 333
HISTORY OF PHILOSOPHY: MODERN PHILOSOPHY 3.0
 The major philosophical systems and movements from the Renaissance to Kant. Meets the University Writing Requirement for PHIL majors.

PHIL 334
THEORETICAL AND APPLIED ETHICS 3.0
 Advanced seminar covering ethical theory and its application to post-modernism and other forms of relativism, the meaning of moral language and the possibility of religious and secular ethical foundations.

PHIL 335
NINETEENTH CENTURY PHILOSOPHY 3.0
 A study of the major philosophical figures and movements of the nineteenth century, with special emphasis on Hegel and the Hegelian tradition.

PHIL 390
FIELDS OF PHILOSOPHY: SELECTED TOPICS 3.0
 Selected study of major fields in philosophy. Topics announced each semester.

PHIL 395
PERIODS AND MOVEMENTS: SELECTED TOPICS 3.0
 Topics announced each semester.

PHIL 424
SEMINAR IN PHILOSOPHY 3.0
 Cooperative research seminars in major movements, problems, philosophers or works. Topic announced each semester.

PHIL 446
INDEPENDENT STUDY IN PHILOSOPHY 3.0-12.0
 Directed independent study and research in philosophy. Open to students with a minimum of 3.0 cumulative average in at least 9 semester hours of philosophy.
Prerequisite: Departmental approval.

Religion **Courses of Instruction**

RELG 100
RELIGIONS OF THE WORLD 3.0
 The major religious traditions, with emphasis on basic beliefs and on the nature and diversity of religious awareness. Meets Gen Ed 2002-Philosophy or Religion. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

RELG 101
INTRODUCTION TO RELIGION 3.0
 An inquiry into man's religious questions and expressions, their implications, and their critical appreciation and assessment. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

RELG 103
RELIGION AND MORAL ISSUES 3.0
 Ethical issues as currently discussed by representative thinkers of the major Western religious traditions. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

RELG 104
FEMINIST THEOLOGY AND SPIRITUALITY 3.0
 This course will examine primary religious documents, their traditional interpretations, and recent feminist interpretations of these documents. It will examine the feminist claim that the traditional mind/body dualism of Western thought serves as a basis for the subjugation of women in traditional patriarchal religions.

RELG 106
AFRICAN RELIGIOUS TRADITIONS 3.0
 An introduction to the indigenous cosmological concepts, ritual practices, and value systems of the peoples of sub-Saharan Africa. The retentions of African religious beliefs and practices in the cultures of the "New World" as encountered in Voodoo in Haiti, Santeria in Cuba, and Candomble in Brazil will also be examined. Meets the Multicultural Awareness Requirement.

RELG 108
AFRICAN-AMERICAN RELIGIOUS EXPERIENCE 3.0
 The course will aim at engaging students in an active examination of the role of religion in the life of African-Americans from the period of slavery to the present. Students will be expected to read extensively from a list of recommended texts and to write critical analyses on assigned topics. The style of instruction will combine lecture with discussion, thereby encouraging students to develop skills in critical thinking as well as the art of verbal expression. Meets the Multicultural Awareness Requirement.

RELG 200
OLD TESTAMENT: GENESIS TO JOSHUA 3.0
 The evolution of the ancient Hebrew world view as developed in the biblical books covering the early period of Israelite history. The course includes a close reading of the books of Genesis, Exodus and Numbers, comparison with contemporary Middle Eastern religious texts and study of the biblical story from the creation through the career of Moses (circa 1250 B.C.E.).

RELG 202
OLD TESTAMENT: JOSHUA TO DANIEL 3.0
 The history and theology of Israelite religion as seen in the biblical books covering the middle and late periods (1150-165 B.C.E.).

RELG 204
NEW TESTAMENT: JESUS AND THE GOSPELS 3.0
 The story of Jesus of Nazareth as told in the Gospels of Mark and Matthew. The course explores Old Testament backgrounds, Jesus' place in the Jewish religious context of first century Israel, the question of the historical Jesus and the origins of and relationships between the various gospel traditions.

RELG 206
NEW TESTAMENT: PAUL AND THE EARLY CHURCH 3.0
 A close study of Luke-Acts, John, selected letters of Paul and other later Epistles. The course explores the development of the theology and institutions of the early church as revealed in New Testament documents of the first and early second centuries.

RELG 207
RELIGIOUS TEXTS IN AMERICA: WOMEN 3.0
 The course will examine original texts by women written during the religious growth and development of such movements as Evangelicalism, Mormonism, the Westward missionary expansion, African-American slave narratives, hymns, sermons, and exhortations. Emphasis will be on the ways religion served as an acceptable locus of expression for women.

RELG 210		
NATIVE AMERICAN RELIGIONS	3.0	
An introduction to the religious traditions and spirituality of the Native American peoples. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.		
RELG 212		
ASIAN RELIGIONS	3.0	
The cultural and theological bases for the faith and practice of major Eastern religions - Buddhism, Confucianism, Hinduism, Taoism. Meets the Multicultural Awareness Requirement.		
RELG 213		
BUDDHISM	3.0	
The exploration of Buddhist teachings, practices, history, and religious art in various Asian countries, notably India, Southeast Asia, Japan, and Tibet (may vary). Meets the Multicultural Awareness Requirement. No prerequisites, but RELG 100 <i>Religions of the World</i> , is recommended.		
RELG 214		
CLASSICAL TEXTS OF ASIAN RELIGIONS	3.0	
This course emphasizes critical analysis and interpretation of primary textual sources. Students will read and examine primary documents from each of the Asian religions, their traditional interpretations and recent understandings and application of these texts.		
RELG 215		
HINDUISM	3.0	
An introduction to Hindu religious traditions, including philosophy, yoga practice, ritual worship, and sacred art. No prerequisites, but RELG 100 <i>Religions of the World</i> is recommended.		
RELG 216		
ISLAMIC RELIGIOUS TRADITIONS	3.0	
The historical origins of Islam, the emergence and development of various strands of religious tradition, and their impact on the modern world.		
RELG 217		
TAOISM	3.0	
An introduction to Taoist religious texts and traditions, including the <i>Tao Te Ching</i> and <i>Chuang Tzu</i> ; Taoist connections with traditional Chinese medicine and martial arts; Taoist ritual traditions; and sacred art. No prerequisites, but RELG 100 <i>Religions of the World</i> is recommended.		
RELG 218		
DEATH, DYING, AND AFTERLIFE	3.0	
This course is designed to give students the opportunity to study cross cultural religious practices and attitudes toward death, dying and the afterlife. The course will cover the grieving process, rituals of death, and various cultural attitudes toward death, including symbolic "deaths" (initiations), and belief in limbo states, soul-survival, ghosts, heaven, hell, and karma and reincarnation. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.		
RELG 221		
RELIGION AND CULTURE	3.0	
The interrelation of religion and culture in the formulation of human values and views, life-styles and institutions. Meets Gen Ed 2002—Humanities, Philosophy or Religion. Meets the 1983 General Education Requirement (GER)—Humanities, Philosophy/Religion.		
RELG 223		
RELIGION IN NORTH AMERICA	3.0	
The growth and development of various religious movements--Protestant, Catholic, Jewish, and sectarian minorities--from colonial times to the present.		
RELG 225		
RELIGION AND SOCIAL CHANGE	3.0	
Examines the impact of economic, social and political movements on religious belief and the ways in which religion has both furthered and impeded social development. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.		
RELG 256		
RELIGION IN LATIN AMERICA	3.0	
A survey of the variety of ways religion, both indigenous and Western, has interacted with culture and society in Latin America. Particular emphasis is given to the pluralism of religious expressions, including popular religion, syncretic religions such as Voodoo and Santeria, different forms of Protestantism, and liberation theology.		
RELG 258		
CHRISTIAN HISTORY AND THOUGHT	3.0	
A survey of the history of the development of the Christian world-view, the evolution of Christian institutions and doctrines, and the triumphs and failures of Christianity through the period of the Reformation.		
RELG 262		
PHILOSOPHY OF RELIGION	3.0	
A philosophical examination of religion. It includes the nature and shape of religious experience: criteria for meaning within religious thought and language, metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.		
RELG 263		
RELIGION AND PSYCHOLOGY	3.0	
The views of faith and the religious person reached by such major psychological approaches as the Freudian, Neo-Freudian, analytic-ego, existential and Jungian. The implications of such psychology for Jewish, Catholic, and Protestant believers and religious thinkers.		
RELG 267		
WOMEN IN RELIGION	3.0	
Focuses on women's own experience in religions and the various perspectives of women held by both Eastern and Western religious traditions. The course deals with questions such as the nature of women, patriarchy and religion, and roles of women in religions. Meets the Multicultural Awareness Requirement.		
RELG 273		
THE HOLOCAUST: RELIGIOUS PERSPECTIVES	3.0	
A study of Nazi extermination of 6,000,000 Jews during World War II and the moral and religious issues raised by this event.		
RELG 300		
CLASSICS OF WESTERN RELIGIOUS THOUGHT	3.0	
Selected works of significant theologians of the Western tradition on issues such as the nature of God, Christology, soteriology, ecclesiology, theodicy, etc.		
RELG 301		
CONTEMPORARY JEWISH THOUGHT	3.0	
The writings of Rosenzweig, Buber, Heschel, Rubenstein, Fackenheim, Plaskow, Wyschogrod and others will be examined in detail. They will be studied in the context of the religious crisis of modern society which has generated Existentialism, Death of God theology and radical shifts in Jewish life (the Holocaust and the rebirth of Israel). Students will be introduced to popular Jewish religious practice in America and elsewhere as well as to the most complex Jewish theological speculation of this century.		
RELG 332		
MYTH, MEANING AND SELF	3.0	
Selected psychological investigations and/or theories of religious phenomena; the implications for constructive theology and positive religious response.		
RELG 350		
SELECTED STUDY IN WORLD RELIGIONS	3.0	
Topics announced each semester.		
RELG 352		
SELECTED STUDY IN RELIGIOUS TEXTS	3.0	
Topics announced each semester.		
RELG 355		
SELECTED STUDY IN RELIGION AND CULTURE	3.0	
Topics announced each semester.		
RELG 357		
SELECTED STUDY IN RELIGIOUS ISSUES	3.0	
Topics announced each semester.		

RELG 460
SEMINAR IN WORLD RELIGIONS 3.0
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.

RELG 462
SEMINAR IN RELIGIOUS TEXTS 3.0
Cooperative research seminar in major movements, problems, theologians.

RELG 465
SEMINAR IN RELIGION AND CULTURE 3.0
Cooperative research seminars in major movements, problems, theologians. Topic announced each semester.

RELG 467
SEMINAR IN RELIGIOUS ISSUES 3.0
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.

RELG 490
INDEPENDENT STUDY IN RELIGION 3.0-12.0
Directed independent study and research in religious studies. Open to students with a minimum of 3.0 cumulative average in at least 9 semester hours of religion.
Prerequisite: Departmental approval.

POLITICAL SCIENCE

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: George N. Zilbergeld

Political Science is a branch of the social sciences concerned with the theory and practice of government and politics. There are six areas of interest a student may pursue: Political Thought and Philosophy, American Politics, Comparative Politics, International Relations, Public Administration, and Law.

The department also provides a Public Administration minor in order to give those seeking employment in state or local government the necessary background. It is open to all students.

Graduates in the political science major receive a Bachelor of Arts degree.

Political Science Major

Required Courses

	Semester Hours
POLS 100 Introduction to Politics	3
POLS 101 American Government and Politics	3
POLS 201 Comparative Politics	3
POLS 202 International Relations	3
POLS 408 Development of Political Thought to Machiavelli	3

Electives (Departmental)

Select 18 semester hours from the following:

POLS 203 International Organizations	3
POLS 204 Government and Politics of Africa	3
POLS 205 Introduction to Public Administration	3
POLS 206 Government and Politics of China and Japan	3
POLS 214 Women in Politics	3
POLS 301 American Party System	3
POLS 302 Public Opinion and Pressure Groups	3
POLS 303 Politics of Development and Modernization	3
POLS 304 State and Local Government	3
POLS 306 Campaign Politics	3
POLS 307 American Political Thought	3
POLS 308 Ethnic Politics in America	3
POLS 309 Urban Politics	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 312 Black Politics in America	3
POLS 314 Seminar in Campaign Politics	3
POLS 315 Urban Administration	3
POLS 316 Contemporary Western European Politics	3
POLS 317 The American Congress	3
POLS 318 The American Presidency	3
POLS 320 Law in Society: Civil Law	3
POLS 321 Law in Society: Criminal Law	3
OR	
LSPR 301 Criminal Law and Procedure	3
POLS 322 American Constitutional Law: The Federal System	3
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
POLS 324 American Public Policy	3
POLS 330 American Foreign Policy	3
POLS 404 Government and Politics of India and South Asia	3
POLS 405 Government and Politics of Latin America	3
POLS 406 Government and Politics of the Middle East	3
POLS 407 Government and Politics in the Post-Soviet States	3
POLS 409 Modern Political Thought	3
POLS 410 Directed Study	3
POLS 412 Government and Politics in the East European States	3
POLS 416 Selected Topics in Political Science	3
POLS 420 Seminar and Internship in Political Science	4
POLS 425 Politics of the Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4
POLS 429 Polling in the U.S.	3
POLS 430 International Law	3
POLS 435 Senior Honors Seminar	3

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Political Science Minor

Semester Hours

Core Course Requirement

POLS 100 Introduction to Politics	3
---	---

Additional Required Courses	9
-----------------------------------	---

(One course must be selected from three of the following four core areas):

American Government

POLS 101 American Government and Politics	3
---	---

POLS 304 State and Local Government	3
---	---

Comparative Politics

POLS 201 Comparative Politics	3
-------------------------------------	---

POLS 303 Politics of Development and Modernization	3
--	---

International Relations

POLS 202 International Relations	3
--	---

POLS 203 International Organizations	3
--	---

Political Theory

POLS 307 American Political Thought	3
---	---

POLS 408 Development of Political Thought to Machiavelli	3
--	---

Political Science Electives

Select 6 semester hours from the following:

POLS 203 International Organizations	3
--	---

POLS 204 Government and Politics of Africa	3
--	---

POLS 205 Introduction to Public Administration	3
--	---

POLS 206 Government and Politics of China and Japan	3
---	---

POLS 214 Women in Politics	3
----------------------------------	---

POLS 301 American Party System	3
--------------------------------------	---

POLS 302 Public Opinion and Pressure Groups	3
---	---

POLS 303 Politics of Development and Modernization	3
--	---

POLS 304 State and Local Government	3
---	---

POLS 306 Campaign Politics	3
----------------------------------	---

POLS 307 American Political Thought	3
---	---

POLS 308 Ethnic Politics in America	3
---	---

POLS 309 Urban Politics	3
-------------------------------	---

POLS 310 Public Personnel Administration	3
--	---

POLS 311 Governmental Budgeting	3
---------------------------------------	---

POLS 312 Black Politics in America	3
--	---

POLS 314 Seminar in Campaign Politics	3
---	---

POLS 315 Urban Administration	3
-------------------------------------	---

POLS 316 Contemporary Western European Politics	3
---	---

POLS 317 The American Congress	3
--------------------------------------	---

POLS 318 The American Presidency	3
--	---

POLS 320 Law in Society: Civil Law	3
--	---

POLS 321 Law in Society: Criminal Law	3
---	---

POLS 322 American Constitutional Law: The Federal System	3
--	---

POLS 323 American Constitutional Law: Civil Rights and Liberties	3
--	---

POLS 324 American Public Policy	3
---------------------------------------	---

POLS 330 American Foreign Policy	3
--	---

POLS 404 Government and Politics of India and South Asia	3
--	---

POLS 405 Government and Politics of Latin America	3
---	---

POLS 406 Government and Politics of the Middle East	3
---	---

POLS 407 Government and Politics in the Post-Soviet States	3
--	---

POLS 409 Modern Political Thought	3
---	---

POLS 410 Directed Study	3
-------------------------------	---

POLS 412 Government and Politics in the East European States	3
--	---

POLS 416 Selected Topics in Political Science	3
---	---

POLS 420 Seminar and Internship in Political Science	4
--	---

POLS 425 Politics of the Federal Bureaucracy	3
--	---

POLS 426 Seminar and Internship in Public Administration I	4
--	---

POLS 427 Seminar and Internship in Public Administration II	4
---	---

POLS 430	International Law	3
POLS 435	Senior Honors Seminar	3

Minimum credits required for the Political Science Minor 18

Public Administration Minor

Required Courses

	Semester Hours
POLS 101 American Government and Politics	3
POLS 205 Introduction to Public Administration	3

Electives (Departmental)

Select 12 semester hours from the following list:

POLS 304 State and Local Government	3
POLS 310 Public Personnel Administration	3
POLS 311 Governmental Budgeting	3
POLS 315 Urban Administration	3
POLS 324 American Public Policy	3
POLS 425 Politics of Federal Bureaucracy	3
POLS 426 Seminar and Internship in Public Administration I	4
POLS 427 Seminar and Internship in Public Administration II	4
Minimum required for the minor	18

Courses of Instruction

POLS 100
INTRODUCTION TO POLITICS 3.0
 This course analyzes politics from the four main vantage points of the discipline of political science, that is, political theory, comparative politics, international relations and American government. Of special concern is the U.S. Constitution, its classical and English roots, and its development to the present. This course is required for Political Science majors. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.

POLS 101
AMERICAN GOVERNMENT AND POLITICS 3.0
 This course will introduce students to the basic institutions and processes of American politics, and will do so, in part, through a focus on current policy issues. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.

POLS 201
COMPARATIVE POLITICS 3.0
 Constitutional principles, governmental institutions and political processes of selected contemporary states. Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course. Meets the University Writing Requirement for POED, POLS majors.

POLS 202
INTERNATIONAL RELATIONS 3.0
 Recent and contemporary world politics and the foreign relations and policies of selected states.

POLS 203
INTERNATIONAL ORGANIZATIONS 3.0
 The nature, place, need, evolution, principles, achievements and functioning of major international organizations, with emphasis upon the United Nations and selected regional organizations.

POLS 204
GOVERNMENT AND POLITICS OF AFRICA 3.0
 The salient characteristics of government and politics in the independent Black African states, and the way these impinge on developmental efforts therein, are examined. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 205
INTRODUCTION TO PUBLIC ADMINISTRATION 3.0
 Literature and developments in the field of public administration; the federal bureaucracy in the policy-making process.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 206
GOVERNMENT AND POLITICS OF CHINA-JAPAN 3.0
 Governmental and political development, institutions, and practices in contemporary China-Japan. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 214
WOMEN IN POLITICS 3.0
 The role of women in the functioning of the American political system. Meets the Multicultural Awareness Requirement.

POLS 302
PUBLIC OPINION AND PRESSURE GROUPS 3.0
 The nature and development of public opinion and pressure groups in the United States and their influence on public policy and political process.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 303
POLITICS OF DEVELOPMENT AND MODERNIZATION 3.0
 The major contemporary schools of political modernization and development theory; inter-relationship among political, social and economic variables.
Prerequisite: POLS 201.

POLS 304
STATE AND LOCAL GOVERNMENT 3.0
 State political sub-systems, including their administrative and local sub-systems, federal-state relations, political institutions and groups in the states and in New Jersey. This course helps students understand lawmaking and enforcement as functions of state and local government.

POLS 306
CAMPAIGN POLITICS 3.0
 This course is taught in election years and provides the student with field experience at the local precinct or party level.
Prerequisite: POLS 100 or 101.

POLS 307
AMERICAN POLITICAL THOUGHT 3.0
 The development of American ideas covering political authority from Hamilton, Madison and Marshall to the present.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 308
ETHNIC POLITICS IN AMERICA 3.0
 The political behavior of American ethnic groups from the Puritans to the Puerto Ricans. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 309
URBAN POLITICS 3.0
 The policies, processes, inter-relationships and organization of governments in heavily-populated areas of the United States.

POLS 310
PUBLIC PERSONNEL ADMINISTRATION 3.0
 The problems and processes in the U.S. of public personnel administration at the state and local level.

POLS 311
GOVERNMENTAL BUDGETING 3.0
 The budgetary process in governmental agencies from the perspective of political demands and influences.

- POLS 312**
BLACK POLITICS IN AMERICA 3.0
 Black participation in the American political system from the Colonial period to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
- POLS 314**
SEMINAR IN CAMPAIGN POLITICS 3.0
 Seminar in Campaign Politics provides an introduction to the history and theory surrounding elections in the United States and complements student practicums in POLS 306.
Corequisite: POLS 306.
- POLS 316**
CONTEMPORARY WESTERN EUROPEAN POLITICS 3.0
 Government and politics of Great Britain, France, Germany and Italy. Institutions, parties, ideologies and interest groups.
- POLS 317**
THE AMERICAN CONGRESS 3.0
 This course will provide a detailed examination of the United States Congress. It will allow students to explore in depth one of the key American political institutions introduced to them in POLS 101, *American Government and Politics*.
Prerequisite: POLS 101 or departmental approval.
- POLS 318**
THE AMERICAN PRESIDENCY 3.0
 This course will provide a detailed examination of the American presidency. It will allow students who were introduced to the presidency in POLS 101, *American Government and Politics*, to explore in depth one of the key institutions of the American political system.
Prerequisites: POLS 101 or departmental approval.
- POLS 320**
LAW IN SOCIETY CIVIL LAW 3.0
 This course will examine the American civil legal system as it affects a variety of our social institutions.
- POLS 321**
LAW IN SOCIETY: CRIMINAL LAW 3.0
 Introduces the student to institutions, processes, and social functions of criminal law. Students may take POLS 321 or LSPR 301 but not both courses as part of the Political Science major, the Paralegal Studies minor or the Criminal Justice minor.
- POLS 322**
AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM 3.0
 Interpretation of Supreme Court decisions in the areas of the distribution of power within the national government and between the national government and the states.
Prerequisite: POLS 101.
- POLS 323**
AMERICAN CONSTITUTIONAL LAW: CIVIL RIGHTS AND LIBERTIES 3.0
 The development of the Constitution and the Supreme Court of the United States illustrated through reference to court opinions in civil rights and liberties.
- POLS 324**
AMERICAN PUBLIC POLICY 3.0
 A study of the methods used to analyze public policy and an examination of current public policy issues. Special attention is given to the use of comparative analysis in analyzing American public policies. This course deals with issues such as crime, punishment, social welfare, drug abuse, child abuse, equality, health, education and the environment. It focuses on public policy responses to these issues.
- POLS 330**
AMERICAN FOREIGN POLICY 3.0
 A consideration and analysis of the goals that the nation's foreign policy officials seek to attain abroad, the values that give rise to those objectives, and the means or instruments through which they are pursued.
Prerequisite: POLS 202.
- POLS 405**
GOVERNMENT AND POLITICS OF LATIN-AMERICA 3.0
 Governmental and political development, organization and practices in the states of Central America and South America. Meets the Multicultural Awareness Requirement.
Prerequisite: POLS 201 or departmental approval.
- POLS 406**
GOVERNMENT AND POLITICS OF THE MIDDLE EAST 3.0
 Government and politics in the Arab states, Turkey, Israel and Iran.
Prerequisite: POLS 201 or departmental approval.
- POLS 407**
GOVERNMENT AND POLITICS IN THE POST-SOVIET STATES 3.0
 The political and institutional organizations of the countries of the former Soviet Union; contemporary political issues; party and governmental structures.
Prerequisites: POLS 201 or departmental approval.
- POLS 408**
DEVELOPMENT OF POLITICAL THOUGHT TO MACHIAVELLI 3.0
 Selected major political philosophies from Plato and Aristotle, up to, but not including, Machiavelli.
- POLS 409**
MODERN POLITICAL THOUGHT 3.0
 Selected political philosophers from Machiavelli to the present.
- POLS 410**
DIRECTED STUDY 3.0-6.0
 Juniors and seniors may elect three to six credits of independent study under the direction of a member of the Political Science staff.
- POLS 412**
GOVERNMENT AND POLITICS IN THE EAST EUROPEAN STATES 3.0
 The political and governmental organizations of the Communist countries of Eastern and Central Europe (exclusive of the former U.S.S.R.); institutions, processes and problems, including inter-regional relations.
Prerequisite: POLS 201 or departmental approval.
- POLS 416**
SELECTED TOPICS IN POLITICAL SCIENCE 3.0
 This course allows the instructor to select a political problem which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in a regular course.
- POLS 420**
SEMINAR AND INTERNSHIP IN POLITICAL SCIENCE 4.0
 In this course students will work as interns for one semester in the office of a N.J. State Legislator, U.S. Congressperson or Senator, or state or federal executive.
- POLS 425**
POLITICS OF FEDERAL BUREAUCRACY 3.0
 In-depth examination of the federal bureaucracy in relationship with national, state and local agencies.
Prerequisite: POLS 101 or departmental approval.

POLS 426

SEMINAR AND INTERNSHIP IN
PUBLIC ADMINISTRATION I

4.0-6.0

A one semester public administration field experience in local government. Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 427

SEMINAR AND INTERNSHIP IN
PUBLIC ADMINISTRATION II

4.0-6.0

A one semester public administration field experience in local government. Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 429

POLLING IN THE U.S.

3.0

The main goal of this course will be to familiarize students with various polling methods used in political science research with the aim of giving them the ability to evaluate and criticize such research. A variety of polling techniques will be covered including simple descriptive statistics, tracking polls and quota polls.

POLS 430

INTERNATIONAL LAW

3.0

The nature, place, evolution, subjects, sources, principles, role and substance of international law in the international system of nation-states.
Prerequisite: POLS 202, or 203, or departmental approval.

POLS 435

SENIOR HONORS SEMINAR

3.0

The course will involve intensive research in a seminar setting for senior political science majors. Students will conduct original research and present reports to meetings of the seminar.

Prerequisites: The course will be open only to senior majors with at least a 3.4 cumulative grade point average in political science.

PSYCHOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Sandra Collins

Undergraduate courses in psychology establish a sound basis for later professional or graduate training in psychology. As part of a broad liberal education, they satisfy the needs of students, (majors and non-majors), and teach principles and techniques as intellectual tools for work in other social and biological sciences and in professional fields such as social work, journalism, business and law. Courses required for teacher certification in the State of New Jersey, as described in the Teacher Education program, are provided.

In addition to a diverse general psychology program, the department offers a minor in Psychology and an Honors Seminar Program.

Psychology Major

Required Courses

	Semester Hours
PSYC 101 General Psychology I: Growth and Development	3
PSYC 203 General Psychology II: An Experimental Approach	3
PSYC 220 Quantitative Methods in Psychology	4
PSYC 301 Experimental Psychology	4

Electives (Departmental)

Select 24 semester hours from the following lists 24

Introductory Psychology Electives (with only PSYC 101 as a prerequisite):

PSYC 202 Adolescent Psychology	3
PSYC 225 Psychology of Adjustment	3
PSYC 227 Psychological Aspects of Human Sexuality	3
PSYC 230 Environmental Psychology	3
PSYC 231 Psychology of Aggression	3
PSYC 235 Psychology of Exceptional Children and Youth	3
PCOM 245 Introduction to Community Psychology	3
PSYC 246 Psychology of Black Experience	3
PSYC 248 Psychology and Law	3
PSYC 265 Psychology of Women	3
PSYC 268 Psychological Aspects of Aging	3
PSYC 290 Introduction to Cognitive Science	3

Advanced Psychology Electives:

(Select 9 credits from Group A and 9 credits from Group B)

Group A:

PSYC 224 Children's Rights and Child Advocacy	3
PSYC 300 The Teaching of Psychology	3
PSYC 302 Health Psychology	3
PSYC 320 Developmental Psychology I	3
PSYC 332 Psychological Foundations of Personality	3
PSYC 360 History and Systems of Psychology	3
PSYC 365 Abnormal Psychology	3
PSYC 366 Health Psychology: Applications to the Community	3
PSYC 402 Systems of Psychotherapies	3
PSYC 405 Psychological Anthropology	3
PCOM 385 Advanced Community Psychology: Externship	3

Group B:

PSYC 303 Industrial and Organizational Psychology	3
PSYC 304 Social Psychology	3
PSYC 305 Physiological Psychology	3
PSYC 308 Perception	3
PSYC 310 Introduction to Psychological Testing	3
PSYC 313 Cognition	3
PSYC 314 Psychology of Judgment and Decision Making	3
PSYC 340 Human Learning and Memory	3
PSYC 348 Psycholinguistics	3
PSYC 353 Comparative Animal Behavior	3
PSYC 355 Motivation	3
PSYC 358 Fundamentals of Conditioning and Learning	3
PSYC 496 Psychology Honors II	4
PCOM 387 Methods in Evaluation Research	4

Special Electives:

PCOM 391 Cooperative Education in Psychology	4-9
PSYC 420 Packaged Computer Programs for Psychology	1
PSYC 459 Special Topics in Psychology	3
PSYC 491 Independent Study I: Research	1-3
PSYC 492 Independent Study II: Research	1-3
PSYC 495 Psychology Honors I	4

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Departmental course requirements include 30 semester hours of social science courses. Consult with the faculty advisor for the social studies certificate for further information.

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Psychology Minor

Required Courses

PSYC 101 General Psychology I: Growth and Development	3
PSYC 203 General Psychology II: An Experimental Approach	3

Electives (Departmental—200 level or above)

Select 12 semester hours at the 200 level or above 12

Justice Studies Major, Child Advocacy Concentration

The Psychology Department, along with the departments of Sociology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Child Advocacy. The Child Advocacy concentration, unique in New Jersey and the region, emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. Dr. Milton Fuentes serves as advisor for the Justice Studies Child Advocacy concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

PCOM 245	INTRODUCTION TO COMMUNITY PSYCHOLOGY	3.0
Integration of social psychology with mental health in the resolution of problems in the community. Social psychological theories and empirical strategies are used to study the dynamics of power, membership, change and deviance. Accent is also on comprehensive mental health center and roles of community psychologist. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.		
<i>Prerequisite: PSYC 101.</i>		
PCOM 385	ADVANCED COMMUNITY PSYCHOLOGY: EXTERNSHIP	3.0
Supervision is provided in a variety of community action programs which have preventive as well as treatment goals. Day and hour assignments can usually be arranged, but effective study participation will require a 3 hour block of time in order to serve directly in a community setting.		
<i>Prerequisites: PCOM 245.</i>		

PCOM 387

METHODS IN EVALUATION RESEARCH

4.0

This course focuses on the application of psychological research methods and knowledge to the evaluation of the effectiveness or ineffectiveness of community programs. Emphasis will be on techniques for program planning and for constructive innovations in community settings. Field work required. Meets the University Writing Requirement for PSED, PSYC majors.

Prerequisites: PCOM 385.

PCOM 391

COOPERATIVE EDUCATION IN PSYCHOLOGY

4.0-9.0

The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator and the Office of Cooperative Education, and is responsible for completing the terms of a learning contract. Contact Office of Cooperative Education.

Prerequisite: Departmental approval.

PSYC 101

GENERAL PSYCHOLOGY I: GROWTH AND DEVELOPMENT

3.0

Psychology as an applied behavioral science: human development, conflict and adjustment, social behavior, group processes, individual differences, personality theory and assessment, behavior disorders, and principles of conditioning, learning and forgetting. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.

PSYC 102

WOMEN'S WORLDS

3.0

This course introduces students to the interdisciplinary field known as Women's Studies. It is designed to make students aware of recent research in feminist studies and to focus on the experiences of women of different social classes, races, ethnic backgrounds, sexual orientations, and ages. It is designed to help students understand different methodologies in such diverse disciplines as sociology, history, psychology, law, economics, and political science. Cross listed with Women's Studies, WMST 102. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.

PSYC 103

FRESHMAN SEMINAR

3.0

The major objective is to better acclimate the beginning college student (freshman and transfer) to campus life through an emphasis on affective education and group interaction. Values clarification and self-identity are important course components. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

PSYC 104

FRESHMAN EXPERIENCE

1.0

This comprehensive course is designed to better acclimate the beginning college student to campus life and assist in the development of academic strategies. The course will also promote an understanding of human diversity, values and perspectives as they relate to overall student success at MSU. Meets Gen Ed 2002—New Student Seminar.

PSYC 109

THE HUMAN ENVIRONMENT

3.0

An interdisciplinary course which examines the human impact, as social groups and individuals, on the natural environment. It explores the relationships and interconnectedness between natural processes and social, economic, cultural, technological, and political culture. Critical environmental issues are discussed. Cross listed with Earth and Environmental Studies, ENVR 109. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

PSYC 200

EDUCATIONAL PSYCHOLOGY

3.0

Required for teaching. Covers child and adolescent development; fundamentals of learning theory as applied to classroom situations, learning inhibition and academic non-achievement, personal-social adjustment, measuring and evaluating teaching-learning, creativity. Course may not be taken by Psychology majors for major credit effective Fall 1995. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

Prerequisite: PSYC 101.

PSYC 201

CHILD PSYCHOLOGY

3.0

Covers growth, development and behavior of children. Physical, intellectual, social and emotional development and their interaction. Scientific method exemplified through the literature and intensive study of individual children. Course may not be taken by Psychology majors for major credit effective Fall 1995. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

Prerequisite: PSYC 101.

PSYC 202

ADOLESCENT PSYCHOLOGY

3.0

Covers biological, psychological and social factors that shape the transition from childhood to adulthood: Normal and deviant patterns of development in morals, intellect, emotions and judgment; problems of adolescents with practical application to oneself and others. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

Prerequisite: PSYC 101.

PSYC 203

GENERAL PSYCHOLOGY II: AN EXPERIMENTAL APPROACH

3.0

Emphasis on psychology as an experimental and research oriented science. Topics under investigation include: experimental design, psychological measurement, physiology, perception, sensory processes, motivation, emotional behavior, and advanced topics in psychological learning theory.

Prerequisite: PSYC 101.

PSYC 220

QUANTITATIVE METHODS IN PSYCHOLOGY

4.0

This course introduces Psychology majors to the basic principles of descriptive statistics, statistical inference, hypothesis testing, and their applications to research and psychological data. Measures of central tendency, variability, correlation, the normal curve, and parametric and nonparametric tests of significance will be covered. Students become familiar with the use of packaged programs for statistical analysis on small computers for the purpose of dealing with the typical data analysis problems that arise in PSYC 301, *Experimental Psychology*.

Prerequisite: PSYC 101 or PSYC 290. *Special fee.*

PSYC 224

CHILDREN'S RIGHTS AND CHILD ADVOCACY

3.0

Explores the review and evaluation of the rights, privileges, and responsibilities of young citizens (preschool through adolescence); the process and goals of advocacy; the community services available to and lacking for the optimum development to maturity of young citizens. Psychology, education, sociology, mental health, law enforcement, medicine are domains of study and investigation.

PSYC 225

PSYCHOLOGY OF ADJUSTMENT

3.0

Discusses individual and social adjustment; typical varieties of adaptive behavior illustrated by practical examples; factors which facilitate or impede people's adaptation to life situations such as work, marriage, disability, etc. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

Prerequisite: PSYC 101.

PSYC 227

PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY

3.0

Topics include: Behavior and attitudes influenced by basic sexuality; widening perspectives to aid in decision-making; developmental periods and sexual relationships; connections between psychological theory and sexual mores; genetic understandings.

Prerequisite: PSYC 101.

PSYC 231

PSYCHOLOGY OF AGGRESSION

3.0

The root causes of violence in America will be examined through case studies, (the protest-movement of the 1960's, sexual and physical abuse, violent-criminal activity, etc.) and familiarization with biochemical, psychological and socio-cultural research into causes and effects of aggression and violence. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.

Prerequisite: PSYC 101.

- PSYC 235**
PSYCHOLOGY OF EXCEPTIONAL CHILDREN AND YOUTH 3.0
 Surveys, current practices and problems of exceptional children and youth. Explores the unique needs of individuals with handicaps that involve intellectual, sensory, motor, neurological, social and emotional origins. Utilizes analysis of case materials for theoretical and practical applications to the psychology of exceptionality.
Prerequisite: PSYC 101.
- PSYC 245**
MENTAL HEALTH ISSUES OF HISPANIC AMERICANS 3.0
 Focuses on the personal, social, institutional and cultural forces that affect the mental health of Americans of Spanish descent. The course will cover issues such as the measurement of psychological functions, bilingualism, personal values and belief systems, the dynamics of the family and acculturation. A midterm and a final exam as well as a research paper will be required from students. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.
- PSYC 246**
PSYCHOLOGY OF THE BLACK EXPERIENCE 3.0
 Covers the historical impact of scientific and institutional racism on the psychological study of blacks. Survey and critical analysis of traditional European approaches with non-traditional methods for comparison. Future development and advancement of a black psychology considered. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirements.
Prerequisite: PSYC 101.
- PSYC 248**
PSYCHOLOGY AND LAW 3.0
 Law and psychology share a common focus: the understanding, prediction and regulation of human behavior. Despite this commonality of interest, different emphasis on these elements and a different mandate have frequently hindered active communication and collaboration between the disciplines. The purpose of this course is to present the common ground of law and psychology, and show how they contribute to each other.
Prerequisites: PSYC 101.
- PSYC 265**
PSYCHOLOGY OF WOMEN 3.0
 The course will investigate contemporary issues in the psychology of women (an opportunity for original research will be provided). Theoretical positions and recent research in the area will be examined. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Meets the Multicultural Awareness Requirement.
Prerequisite: PSYC 101.
- PSYC 290**
INTRODUCTION TO COGNITIVE SCIENCE 3.0
 An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy. Cross listed with Computer Science, CMPT 290.
Prerequisite: ANTH 100 or PSYC 101 or CMPT 183 or LNGN 210 or PHIL 100.
- PSYC 300**
THE TEACHING OF PSYCHOLOGY 3.0
 Students in this course work with a teacher of a large section of a Psychology course. The work includes record keeping, working on exams and term papers, working with students and teaching. Class discussions include techniques of teaching, motivating students, developing curriculum and ethical issues.
Prerequisites: PSYC 301; Psychology majors only and departmental approval.
- PSYC 301**
EXPERIMENTAL PSYCHOLOGY 4.0
 Introduction to laboratory methods of research in areas such as motivation, perception and learning. Emphasis is on design and execution of exploratory investigations. Meets the University Writing Requirement for PSED, PSYC majors. (3 hours lecture, 3 hours laboratory)
Prerequisites: PSYC 220 and PSYC 203 or PSYC 290. Special fee.
- PSYC 302**
HEALTH PSYCHOLOGY 3.0
 The theoretical, empirical and clinical aspects of health psychology will be presented. The relation of health psychology with other areas of psychology and other scientific disciplines will be discussed. The historical developments of the field, its research methodologies, theoretical models and exemplary interventions will be described.
Prerequisite: PSYC 301.
- PSYC 303**
INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 3.0
 Application of psychological principles and practices in business and industry. Problems of communication, group dynamics, man-machine relations, employee attitudes, accident prevention, industrial job selection techniques, motivation, executive leadership. Commonly used selection tests will be evaluated.
Prerequisite: PSYC 301.
- PSYC 304**
SOCIAL PSYCHOLOGY 3.0
 Focuses on social behavior of the individual and the group, social perception, motivation, and learning; attitudes and values; development and dynamics of social groups; inter-group tension and prejudice; mass phenomena; psychological approaches to social issues.
Prerequisite: PSYC 301.
- PSYC 305**
PHYSIOLOGICAL PSYCHOLOGY 3.0
 Anatomical, neural and biochemical bases of behavior are studied. Topics include localization of function, neuro-hormonal interaction, sensory and motor functioning, emotions, the relationship of neurophysiological processes and personality.
Prerequisite: PSYC 301.
- PSYC 308**
PERCEPTION 3.0
 Discusses the theory and procedure of perceptual research. Theoretical approaches; modern psychophysical and perceptual research; traditional problems of perception constancies of size and color brightness.
Prerequisite: PSYC 301.
- PSYC 310**
INTRODUCTION TO PSYCHOLOGICAL TESTING 3.0
 Tests of intelligence, aptitude, achievement and personality; principles of psychological testing; approaches to test construction.
Prerequisite: PSYC 301.
- PSYC 313**
COGNITION 3.0
 The study of the acquisition, storage, retrieval, and use of knowledge, utilizing behavioral, observational, and computer modeling methods.
Prerequisite: PSYC 301.
- PSYC 314**
PSYCHOLOGY OF JUDGMENT AND DECISION MAKING 3.0
 This course examines how human beings make decisions and judgments. It reviews how personal values, uncertainty and cognitive, social, and neurological processes affect decision making. This course draws upon a wide range of examples from many fields including psychology, economics, criminology, and medicine. Students will also learn strategies and techniques to enhance judgment.
Prerequisite: PSYC 301.
- PSYC 320**
DEVELOPMENTAL PSYCHOLOGY I 3.0
 This course surveys human psychological development from the prenatal period to adolescence. The interacting forces of heredity, environment and physical, cognitive, emotional and socio-cultural factors are reviewed in the light of current research and theory in these areas.
Prerequisite: PSYC 301.
- PSYC 330**
FORENSIC PSYCHOLOGY 3.0
 An examination of the interaction between psychology and the legal system. Emphasis placed on the assessment and diagnosis of psychopathic behavior, court-mandated evaluations and the role of the psychologist as expert witness. The application of psychological knowledge within the criminal justice context. Ethical guidelines in forensic psychology.

PSYC 332		
PSYCHOLOGICAL FOUNDATIONS OF PERSONALITY	3.0	
Explores current approaches and theories of personality development and organization.		
<i>Prerequisite: PSYC 301.</i>		
PSYC 340		
HUMAN LEARNING AND MEMORY	3.0	
Covers research, language and methods of learning theory. Classical and operant conditioning, complex habits, remembering and forgetting, transfer of training, cognition and behavior modification. Review of animal research but primary emphasis is on people.		
<i>Prerequisite: PSYC 301.</i>		
PSYC 353		
COMPARATIVE ANIMAL BEHAVIOR	3.0	
The student will explore experimental and field studies of behavior in a few selected animal species with particular reference to the behavior of vertebrates. The course will involve detailed study of instinctive behavior and imprinting, respondent and operant behavior with emphasis upon the procedures and variables concerned with the acquisition of new forms of behavior.		
<i>Prerequisite: PSYC 301.</i>		
PSYC 358		
FUNDAMENTALS OF CONDITIONING AND LEARNING	3.0	
Major theoretical problems and theories of learning are considered. Includes experimental analysis of basic phenomena of conditioning and learning, studied primarily through experimental studies of infra-human organisms. Students may study selected topics more extensively.		
<i>Prerequisite: PSYC 301.</i>		
PSYC 360		
HISTORY AND SYSTEMS OF PSYCHOLOGY	3.0	
Discusses the historical development of psychology; comparative analysis of the major schools of contemporary psychology and new trends and movements in psychological theory.		
<i>Prerequisite: PSYC 301.</i>		
PSYC 365		
ABNORMAL PSYCHOLOGY	3.0	
Topics include an overview of psychopathological processes; neuroses, psychoses, and characterological disorders; feeling, thinking and behavioral aspects during the life span; diagnostic and treatment procedures.		
<i>Prerequisites: PSYC 225 or 332 and 301.</i>		
PSYC 366		
HEALTH PSYCHOLOGY: APPLICATIONS TO THE COMMUNITY	3.0	
The course will present psychological contributions to interventions designed to promote health, prevent illness and avert further disability. Appropriate techniques to assess, plan, and implement programs at the community level will be discussed. The multidisciplinary, multilevel nature of community programs will be emphasized.		
<i>Prerequisite: PSYC 302.</i>		
PSYC 402		
SYSTEMS OF PSYCHOTHERAPY	3.0	
An overview of classical and contemporary systems of psychotherapy. Emphasis is placed on understanding each system in terms of its underlying theory of personality, psychopathology and therapeutic impact. Studies of therapeutic efficacy are also covered. Other issues include such topics as the training of psychotherapists and the ethical issues involved in psychotherapy.		
<i>Prerequisite: PSYC 365.</i>		
PSYC 420		
PACKAGED COMPUTER PROGRAMS FOR PSYCHOLOGY	1.0	
A detailed review on the use of a computer package for the purpose of doing statistical analyses of psychological data. The instructor will select one such package for presentation and choose among SSPS, EcStatic, BMD, SAS, and others. Instruction will be provided on coding, data entry, menu selection, score transformation, and exporting.		
<i>Prerequisite: Departmental approval.</i>		
PSYC 430		
CONTEMPORARY ISSUES IN CHILD ADVOCACY	3.0	
An in-depth study of current topics in the field of child advocacy. The impact of Megan's Law, advocacy for adopted children, child right-to-life movement, and repressed memory syndrome are among the possible issues to be explored. A multi-disciplinary focus will be used to enhance student understanding and learning.		
PSYC 459		
SPECIAL TOPICS IN PSYCHOLOGY	3.0	
An in-depth view of important theoretical and methodological issues in a specific area of psychology. The area to be covered is chosen by the instructor. The course permits the instructor and students to examine psychological issues which are either not covered in the curriculum or which deserve more in-depth treatment than is possible in a regular course. The course may be taken no more than twice as part of major degree requirements in psychology.		
<i>Prerequisite: PSYC 301.</i>		
PSYC 490		
SEMINAR IN COGNITIVE SCIENCE	3.0	
Seminar discussion of foundation works and contemporary research articles in Cognitive Science. With the instructor's guidance and supervision, each student will define an area of Cognitive Science for comprehensive in-depth review of research and write a literature review. Professional issues in Cognitive Science are discussed.		
<i>Prerequisites: PSYC/CMPT 290, PSYC 301, and any one of the following: PSYC 313, LNGN 300, LNGN 420, LNGN 445.</i>		
PSYC 491		
INDEPENDENT STUDY I: RESEARCH	1.0-3.0	
Individual research project under supervision of a professor in the department.		
<i>Prerequisite: Departmental approval.</i>		
PSYC 492		
INDEPENDENT STUDY II: RESEARCH	1.0-3.0	
Individual research project under supervision of a professor in the department.		
<i>Prerequisite: Departmental approval.</i>		
PSYC 495		
PSYCHOLOGY HONORS I	4.0	
With the instructor's guidance and supervision, each student will define an area of psychology for a comprehensive, in-depth review of research; generate research questions and hypotheses; delineate appropriate design, methodology and statistical analyses to answer these questions and test these hypotheses; collect and analyze preliminary data; and write an Honors Thesis Proposal.		
<i>Prerequisite: PSYC 301; departmental approval; overall GPA of 3.5.</i>		
PSYC 496		
PSYCHOLOGY HONORS II	4.0	
This course constitutes the second semester of Psychology Honors. Students are expected to gather, analyze and interpret the data for their honors project, write the analysis and discussion chapters, and submit their completed honors thesis. Students who successfully complete this course will graduate with honors in Psychology.		
<i>Prerequisite: Completion of PSYC 495 with a grade of A or A-.</i>		

SCIENCE INFORMATICS

COLLEGE OF SCIENCE AND MATHEMATICS

*Program Director: Chunguang Du, Biology and
Molecular Biology Department*

This interdisciplinary degree is supported by the departments of Biology and Molecular Biology, Chemistry and Biochemistry, Computer Science, Earth and Environmental Studies, and Mathematical Sciences. Students are especially prepared to work in New Jersey's high tech pharmaceutical, biotechnology, and other data intensive industries and to engage in graduate studies in the underpinning disciplines. The degree is unique in requiring both Science Informatics interdisciplinary courses and courses in science, computer science, and mathematics within the liberal arts tradition. Course descriptions for the science, computer science and mathematics courses are found under the respective departments.

Science Informatics Major

Required Courses

		Semester Hours
SCIF	151 Colloquium in Science Informatics I	1
SCIF	152 Colloquium in Science Informatics II	1
SCIF	253 Colloquium in Science Informatics III	1
SCIF	254 Colloquium in Science Informatics IV	1
SCIF	250 Science Informatics Sophomore Summer Internship	2
SCIF	350 Science Informatics Junior Summer Externship	2
SCIF	475 Ethics in Science Informatics	2
SCIF	491 Research Experience in Science Informatics I	3
SCIF	492 Research Experience in Science Informatics II	3

Required Biology and Molecular Biology Courses

BIOL	230 Cell and Molecular Biology	4
BIOL	380 Genetics	4
BIOL	434 Introduction to Molecular Biology	3

Required Chemistry and Biochemistry Courses

CHEM	120 General Chemistry I	4
CHEM	121 General Chemistry II	4
CHEM	230 Organic Chemistry I	3
CHEM	231 Organic Chemistry II	3
CHEM	470 Biochemistry I	3

Required Computer Science Courses

CMPT	183 Foundations of Computer Science I	3
CMPT	184 Foundations of Computer Science II	3
CMPT	250 Web Tools: Perl, XML and Java Script	2
CMPT	287 Data Structures, File Structures, and Algorithms	4
CMPT	300 Introduction to Science Databases	1

Required Mathematical Sciences Courses

MATH	122 Calculus I	4
CMPT	285 Discrete Mathematical Structures	3
STAT	440 Fundamentals of Modern Statistics	3

Required Science Informatics Concentration

All Science Informatics students must take the above required courses in science informatics, science, computer science, and mathematics. These courses provide a broad knowledge base in the supporting disciplines. For depth of knowledge students must choose one of the following three concentrations.

Biochemistry Concentration

The concentration examines the molecules of life emphasizing the relation between chemical structure and reactivity to the biological function of the molecule. Application of computer science to the study of the molecular basis of life through classroom and laboratory experiences provides state-of-the-art theoretical and practical aspects of these dynamic and fast-moving fields. Students study molecular structures and the effects of changes in molecular geometries through hands on use of software such as Autodock, Spartan and Gaussian programs that support computational chemistry and molecular modeling. Course descriptions are found under the Chemistry and Biochemistry and Computer Science Departments.

Required Biochemistry Concentration Courses

CHEM	232 Experimental Organic Chemistry I	2
CHEM	450 Computational Chemistry	3
CHEM	471 Biochemistry II	3
CHEM	472 Experimental Biochemistry I	2
CHEM	473 Instrumental Biochemistry Lab	3
CMPT	371 Software Engineering I: Analysis and Design	4

Computer Science Concentration

As science and computer science interact to create useful data-driven systems based on data storage, analysis, and retrieval, students in this concentration study the hardware and software supporting this new fusion. Students learn software engineering techniques in specifying and analyzing a problem, and in designing, implementing, and testing a solution. Database topics introduce data mining to locate interesting relations within massive information. Students work with a cluster of connected computers to solve problems. Course descriptions are found under the Computer Science Department.

Required Computer Science Concentration Courses

		Semester Hours
CMPT	280 Assembly Language and Computer Architecture	3
CMPT	350 Parallel and Distributed Computing	3
CMPT	371 Software Engineering I: Analysis and Design	4
CMPT	372 Software Engineering II: Implementation and Testing	4
CMPT	483 Database Systems	3

Molecular Biology Concentration

Students in this concentration expand their background in basic biology and molecular biology, and study genomics (all the DNA sequences of an organism, their structure, and relationships) and proteomics (proteins of an organism and their sequential relationships). Students work with web-based software for molecular analysis and local systems such as the GCG Bioanalysis Suite. The concentration focuses on molecular biology informatics techniques, their applications, and their implications for solving problems. Course descriptions are found under the Biology and Molecular Biology Department.

Required Molecular Biology Concentration Courses

		Semester Hours
BIOL	112 Principles of Biology I	4
BIOL	113 Principles of Biology II	4
BIOL	350 Microbiology	4
BIOL	435 Experimental Molecular Biology	3
BIOL	Molecular Biology Elective	3

Courses of Instruction

SCIF 151
COLLOQUIUM IN SCIENCE INFORMATICS I 1.0
This course introduces Science Informatics majors to the University, the departments of the College of Science and Mathematics, the culture of higher education and the field of science informatics. Students learn about campus resources and activities, careers in science informatics and techniques that foster the development of good study skills and academic success. Issues related to health, wellness, diversity and prejudice are investigated. Meets Gen Ed 2002–New Student Seminar
Prerequisite: Science Informatics majors only.

SCIF 152
COLLOQUIUM IN SCIENCE INFORMATICS II 1.0
This second of a series of four colloquia continues to build a science informatics identity among students while exploring the field of science informatics, options for post-baccalaureate study and careers in the discipline. Students will explore both scientific and societal issues related to contemporary problems such as genetic engineering. Students will explore potential topics for future investigation and research.
Prerequisite: Science Informatics majors only and SCIF 151.

SCIF 250

SCIENCE INFORMATICS SOPHOMORE SUMMER INTERNSHIP 2.0
During the summer, under the guidance of a sponsor in a medical or industrial site outside of the University, students will investigate advanced, individual research problems appropriate to science informatics. Although students are strongly encouraged to enroll in an off-campus externship, an equivalent on-campus experience with the Biology and Molecular Biology, Chemistry and Biochemistry, Computer Science or Mathematical Sciences departments will be accepted for credit.

Prerequisite: Permission of program advisor. Only for Science Informatics majors who have completed their sophomore year.

SCIF 253

COLLOQUIUM IN SCIENCE INFORMATICS III 1.0
In this third of a series of four colloquia, students continue their guided examination of contemporary issues investigated with the varied methodologies and tools of science informatics. Information about how disciplines within science informatics prepare research results and associated recommendations for their colleagues, government agencies and the public. The influence of public opinion and the political decision making process upon scientific research is explored. Students explore possible research problems for investigation.

Prerequisite: SCIF 152.

SCIF 254

COLLOQUIUM IN SCIENCE INFORMATICS IV 1.0
The fourth of a series of four colloquia is a continuation of the third colloquium, SCIF 253, in which students continue their guided examination of contemporary issues investigated with the varied methodologies and tools of science informatics. Information about how disciplines within science informatics prepare research results and associated recommendations for their colleagues, government agencies and the public. The influence of public opinion and the political decision making process under scientific research is explored. Students explore possible research problems for investigation.

Prerequisite: SCIF 253.

SCIF 350

SCIENCE INFORMATICS JUNIOR SUMMER EXTERNSHIP 2.0
During the summer, under the guidance of a sponsor in a medical or industrial site outside of the University, students will investigate advanced, individual research problems appropriate to science informatics. Although students are strongly encouraged to enroll in an off-campus externship, an equivalent on-campus experience with the Biology and Molecular Biology, Chemistry and Biochemistry, Computer Science or Mathematical Sciences departments will be accepted for credit.

Prerequisite: Permission of program advisor. Only for Science Informatics majors who have completed their junior year.

SCIF 475

ETHICS IN SCIENCE INFORMATICS 2.0
This course investigates ethical issues in science informatics research and the application of science informatics to product development and commercialization. For example, topics of accuracy, privacy, confidentiality, accessibility, stability, and completeness are considered in the context of genome databases and their associated computing technology. Science informatics law domains such as intellectual property (patents, trademarks, trade secrets), and licensing (patents, intellectual property or software) are presented. A seminar format and case studies facilitate interaction among faculty, students, and the issues.

Prerequisite: Only for Science Informatics majors who have completed their junior year.

Science Informatics Capstone Courses

Research Experience in Science Informatics I and II provide a capstone experience for science informatics majors. Students work collaboratively in research teams to develop and provide answers to research questions. Each team will consist of students from all of the participating concentrations so that various disciplinary perspectives will be included in the problem solving experience. This team experience corresponds to the type of interaction present in academic and industrial environments.

SCIF 491

RESEARCH EXPERIENCE IN SCIENCE INFORMATICS I 3.0
Based on problems proposed by Montclair State faculty, industry representatives, or other academic institutions, students working in interdisciplinary teams will develop a research proposal. During the semester the groups will do background research, explore interdisciplinary approaches to addressing the problem and develop a project proposal. The proposal will be peer reviewed by other teams before being presented to a faculty committee for approval.

Prerequisite: BIOL 434, CHEM 470, CMPT 300.

Corequisite: SCIF 350.

SCIF 492

RESEARCH EXPERIENCE IN SCIENCE INFORMATICS II 3.0
This course is a continuation of Research Experience in Science Informatics I. Research proposed in that course will be implemented in this course. Students will apply algorithms, write and use software for modeling biological, chemical or physical processes, perform necessary experiments, and analyze the results. Findings will be presented to other students teams and to a faculty committee. The research project will allow students to focus on a specific scientific question using interdisciplinary approaches, develop critical thinking and problem solving skills and strengthen their writing and presentation skills.

Prerequisite: SCIF 491.

SOCIOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Jay Livingston

Sociology looks at aspects of societies that transcend the individual - social phenomena such as culture and social structure. It also explores the relationships among the individuals and groups that make up the social world. Areas of concern include: the causes and effects of the distribution of wealth and power in a society; the impact of social categories such as gender, race, and age; the nature of social institutions such as religion, the family, and education; the ways that individuals organize and influence their everyday lives. Sociology enables the student to understand broader social and historical forces and their relation to the lives of individuals.

The Sociology major provides a background for those who seek careers in social research, law enforcement, human resources, social work, teaching, journalism, and other fields.

The minor in Criminal Justice, described in this catalog under Interdisciplinary Minors, focuses on various types of crime and social institutions that aim to control crime.

The Sociology Department offers a Bachelor of Arts degree.

Sociology Major

Required Courses

18 Semester Hours

SOCI 201	Foundations of Sociological Inquiry	4
SOCI 240	Statistics for Social Research	4
SOCI 301	Sociological Research Methods I	4
SOCI 313	Sociological Theory: Critical Analysis	3
SOCI 400	Senior Research Project	3

Note: It is important to try to meet the methods requirement no later than the junior year.

Electives (Departmental)

Select 21 semester hours from the following:

(9 semester hours must be selected from 300 or 400 level courses with appropriate approval.)

SOCI 100	The Sociological Perspective	3
SOCI 101	Criminology	3
SOCI 112	Sociology of Leisure	3
SOCI 113	Social Problems	3
SOCI 200	Sociology of Education	3
SOCI 202	Racial and Ethnic Relations	3
SOCI 203	Sociology of Organized Crime	3
SOCI 204	Sociology of the Family	3
SOCI 205	Black Family	3
SOCI 206	Individual and Society	3
SOCI 207	Social Structure of American Society	3
SOCI 209	Sociology of Poverty and Welfare	3
SOCI 211	Sociology of Health and Illness	3
SOCI 212	Sociology of Technology	3
SOCI 215	Sociology of Sports	3
SOCI 218	Sociology of Population	3
SOCI 219	Sociology of Aging	3
SOCI 220	Sociology of Rich and Poor Nations	3
SOCI 230	Sociology of Conflict and Violence	3
SOCI 231	Social Bases of the Arts	3
SOCI 232	Introduction to Criminal Justice	3
SOCI 302	Sociological Research Methods II	3
SOCI 303	Large Scale Organizations	3
SOCI 304	Sociology of Work and Professions	3
SOCI 310	Directed Independent Research	3
SOCI 311	Urban Sociology	3
SOCI 312	Environmental Sociology	3
SOCI 314	Environmental Justice	3
SOCI 315	Social Stratifications	3
SOCI 321	White Collar Crime	3
SOCI 322	Juvenile Delinquency and Juvenile Justice	3
SOCI 325	Sociology of Police	3
SOCI 330	Political Sociology	3

SOCI 332	Sociology of Popular Arts	3
SOCI 334	Comparative Social Analysis	3
SOCI 336	Sociology of Helping Professions and Institutions	3
SOCI 351	Juries and Justice	3
SOCI 353	Sociology of Corrections	3
SOCI 390	Cooperative Education in Sociology	3
SOCI 401	Sociology of Emotions	3
SOCI 404	Sociology of Religion	3
SOCI 405	Deviance and Social Control	3
SOCI 407	Sociology of Mass Media	3
SOCI 408	Social Movements	3
SOCI 411	Selected Topics in Sociological Theory	3
SOCI 412	Selected Topics in Social Research Methods	3
SOCI 413	Selected Topics in Institutional Processes	3
SOCI 414	Selected Topics in Applied Sociology	3
SOCI 416	Qualitative Research in Sociology	3
SOCI 420	Sociology of Law	3
SOCI 426	Sociology of Sexuality	3
SOCI 430	Sociology of Gender	3

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Sociology Minor

Required Courses

18 Semester Hours

SOCI 100	The Sociological Perspective	3
----------	------------------------------------	---

Electives (Departmental)

Select up to 9 semester hours of 100-200 level Sociology

Select at least 6 semester hours of 300-400 level Sociology courses

Justice Studies Major, Justice Systems Concentration

The Sociology Department, along with the departments of Psychology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Justice systems. The Justice systems concentrations focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. It includes optional areas of emphasis in the Criminal Justice Systems, Juvenile Justice, and Empirical Perspectives in Justice Systems. The Criminal Justice system optional areas of emphasis meets and exceeds the minimum standards for Criminal Justice Education set by the Northeastern Association of Criminal Justice Sciences. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Justice Systems concentration may take any minor except Criminal Justice. Dr. David J. Dodd serves as advisor for the Justice Systems concentration. For the complete program see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

SOCI 100

THE SOCIOLOGICAL PERSPECTIVE 3.0

An introduction to the study of human groups, from peer groups to families to societies. How and why culture, social structure, and group processes arise. Consequences of social forces for individuals. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.

SOCI 101

CRIMINOLOGY 3.0

Definitions of crime; sociological explanation of crime; the nature and extent of criminal behavior. Analysis of different types of crime, including juvenile delinquency, corporate crime, crimes against women, and crimes by police. Institutions of social control: police, courts, prisons. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

SOCI 113

SOCIAL PROBLEMS 3.0

How social structure and social institutions are related to problems such as discrimination, environmental pollution, violence, and poverty. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

SOCI 120

FRESHMAN LEADERSHIP SEMINAR 3.0

Explores the theory and practice of leadership on campus and in the community. Examines the relationship between the individual and the group, and issues such as civic participation and bureaucracy.

Prerequisite: For students enrolled in the Presidential Leadership Program (PLP) only.

SOCI 201

FOUNDATIONS OF SOCIOLOGICAL INQUIRY 4.0

An introduction to the methods and theory of sociological inquiry. Topics include: comparisons of dominant paradigms of sociological thought, critical analysis of basic concepts in the field, logic and rhetoric of sociological analysis and ethical and value issues in the practice of sociology. Emphasis will also be placed upon writing sociology: documentation, literature search, organization, and style. Meets the University Writing Requirement for SOCI, SOED majors.

Prerequisite: ENWR 105.

SOCI 202

RACIAL AND ETHNIC RELATIONS 3.0

The social meaning of race and ethnicity. The social, psychological, and structural sources of racism; the consequences of this phenomenon to groups; situation and comparative data. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

SOCI 203

SOCIOLOGY OF ORGANIZED CRIME 3.0

Organized crime as a sociological phenomenon. The methods and goals of large-scale crime and its economic, political, and social costs; popular attitudes towards organized crime; efforts of enforcement and investigation agencies to deal with the problem.

SOCI 204

SOCIOLOGY OF THE FAMILY 3.0

Discussion of "official" and "unofficial" (single parent, gay/lesbian) family relationships; compare current U.S. family forms with those of other historical periods and societies; examine trends in contemporary societies affecting family forms such as changing work role of women, changed sexual norms in courtship, and recent changes in divorce rate; analyze issues in the "politics of the family." Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

SOCI 205

BLACK FAMILY 3.0

The black family in American society; historical perspectives and contemporary conflicts surrounding the black family. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

SOCI 206

INDIVIDUAL AND SOCIETY 3.0

The relationship between culture, social structure, various institutions and the individual's social perceptions, sense of self and self-presentation are explored in this course. The structure of small groups is also discussed. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

SOCI 207

SOCIAL STRUCTURE OF AMERICAN SOCIETY 3.0

Empirical materials on social structure. Inter-institutional relations as the form of the broad, general structure of American society. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

SOCI 209

SOCIOLOGY OF POVERTY AND WELFARE 3.0

Poverty and welfare institutions as social phenomena. The meaning of poverty, absolute and relative deprivation, the functions of social welfare institutions. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

SOCI 211

SOCIOLOGY OF HEALTH AND ILLNESS 3.0

Social and cultural definitions of health and illness, social sources of illness, the social role of the "sick," comparative medical beliefs and practices and medical institutions. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

SOCI 215

SOCIOLOGY OF SPORTS 3.0

This course will examine the major theoretical and substantive writings on the sociology of amateur and professional sports. Topics to be explored from conflict, functionalist, and symbolic interactionist perspectives include socialization and athletic identity, women in sports, race and class in sports, gender relations and sport participation, sport risk and injury, education and sports participation, sports in the media, sport and the reproduction of society, and fieldwork among college and professional athletes.

SOCI 219

SOCIOLOGY OF AGING 3.0

With a shift in America's population toward an older society, it becomes important to understand the aging process and its implications for various social institutions. This course examines demographic characteristics which influence the aging process; various theories to explain the process; and specific policies, nationally and locally, to address it.

SOCI 220

SOCIOLOGY OF RICH AND POOR NATIONS 3.0

This course deals with the disparity in standards of living among the nations of the world today, as well as with the strategies social scientists and social planners have formulated to eradicate poverty where it occurs. This course focuses on the historical, political, economic, cultural, and sociological relationships that have contributed to the current division of labor in the world, and world inequalities. Furthermore, it focuses on specific social problems faced by poor nations, while comparing social institutions in with their counterpart in non-Western societies. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.

SOCI 230

SOCIOLOGY OF CONFLICT AND VIOLENCE 3.0

Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

- SOCI 232**
INTRODUCTION TO CRIMINAL JUSTICE 3.0
 Do the three main sectors of the criminal justice system—the police, the courts, and corrections—have an impact on crime, achieve justice, and constitute a system? This course will look at the historical development of each of these sectors, their relation to broader social forces, and their internal problems and dilemmas. Topics may include current controversies (police brutality; the death penalty and other sentencing trends; community policing; plea bargaining; parole) as well as the impact of broader issues like race, gender, and social class.
- SOCI 238**
RESEARCH METHODS IN CRIMINAL JUSTICE 3.0
 An introduction to methods of social research and their particular application to the study of criminal justice. Defining research questions and designing ways of getting systematic evidence relevant for those questions. Understanding the nature of aggregate data, probability, and social science generalization. Creating variables—conceptualization, definition, and measurement. Basic statistical measures, descriptive and inferential. Quantitative and qualitative data. A critical look at existing sources of criminal justice data. Problems of access, quality of data, and interpretation. Ethical issues.
- SOCI 240**
STATISTICS FOR SOCIAL RESEARCH 4.0
 The use of statistics to summarize data, and to show relationships among variables. Evaluating research reports based on statistics. Use of the computer to analyze data. Cross listed with Justice Studies, JUST 240.
Prerequisite: Special fee.
- SOCI 301**
SOCIOLOGICAL RESEARCH METHODS I 4.0
 Introduction to primary methods of gathering sociological data: experimentation, survey research, participant observation, etc. Use of computers to analyze data. The formulation of hypotheses, survey design, participant observation and the use of elementary statistics.
Prerequisites: SOCI 201 and SOCI 240. Special fee.
- SOCI 302**
SOCIOLOGICAL RESEARCH METHODS II 3.0
 The formulation of hypotheses, survey design, participant observation and the use of elementary statistics; certain broad problems in the philosophy of social science.
Prerequisite: SOCI 301. Special fee.
- SOCI 303**
LARGE SCALE ORGANIZATIONS 3.0
 The structure and functions of bureaucracy in modern society; the life cycle of large organizations and their methods of operation; selected contemporary problems.
Prerequisite: One course in sociology or departmental approval.
- SOCI 304**
SOCIOLOGY OF WORK AND PROFESSIONS 3.0
 The development of modern forms of work; the shift from manufacturing to service occupations; and problems of work alienation; current models of labor-management relations in the U.S. compared to Western Europe and Japan; the effects of new technology on skill, employment levels, and on labor management relations; conceptions of the professions and their role in society; the process of an occupation becoming a profession.
Prerequisite: One course in sociology or departmental approval.
- SOCI 310**
DIRECTED INDEPENDENT RESEARCH 3.0-9.0
 Research and report under faculty direction. The student selects for investigation an area of sociological concern with the approval of a faculty supervisor. Multiple semester selection permitted with approval.
Prerequisite: Departmental approval.
- SOCI 311**
URBAN SOCIOLOGY 3.0
 Processes of urbanization and suburbanization; nature of urban social relations, including racial and ethnic relations; urban ecological patterns and demographic conditions. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: One course in sociology or departmental approval.
- SOCI 312**
ENVIRONMENTAL SOCIOLOGY 3.0
 The role of sociology in understanding and analyzing the environment, environmental issues and problems, and the sociocultural sources and structure of environmentalism and environmental movements. Various perspectives and approaches to explaining the relationship between society and the environment are explored.
- SOCI 313**
SOCIOLOGICAL THEORY: A CRITICAL ANALYSIS 3.0
 A comparison of important theories on key themes in sociology; the nature of social interaction, the definition of power, stratification, social control and deviance, alienation and anomie, social structure and function, social bases of knowledge and belief, and social conflict and change.
Prerequisite: SOCI 201 or departmental approval.
- SOCI 314**
ENVIRONMENTAL JUSTICE 3.0
 The domain of this course is the role of social inequities, especially those of class and race, in the distribution of environmental risks in societies at the local, national, and global levels and includes study of legal remedies and public policy measures that address environmental injustices. Cross listed with Justice Studies, JUST 314.
- SOCI 315**
SOCIAL STRATIFICATION 3.0
 The inequalities of social ranking systems in societies. Theoretical and empirical approaches to stratification delineating the variables of power, power elites, class consciousness, alienation and class mobility. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.
- SOCI 321**
WHITE COLLAR CRIME 3.0
 An examination of the nature, scope, forms, and styles of occupational and business-related criminal activities in the U.S., as well as their social, political, and economic implications.
Prerequisite: One course in sociology or departmental approval.
- SOCI 322**
JUVENILE DELINQUENCY AND JUVENILE JUSTICE 3.0
 This course will deal with the major sociological explanations of juvenile delinquency. The relationship between juvenile crime and justice and the socio-economic and institutional arrangements of the larger society will be the primary focus.
Prerequisite: One course in sociology or departmental approval.
- SOCI 325**
THE SOCIOLOGY OF POLICE 3.0
 The course will examine the urban police organizations from diverse sociological perspectives. Subjects include media images of the police, police discretion, police use of force, police lying, police corruption, women in policing, ethnic minorities in policing, and researching the police.
- SOCI 330**
POLITICAL SOCIOLOGY 3.0
 This course will endeavor to give the student a relatively complete understanding of the social dynamics of political actions on various levels.
Prerequisite: One course in sociology or departmental approval.
- SOCI 332**
SOCIOLOGY OF POPULAR ARTS 3.0
 Components of entertainment including paperback and magazine fiction, movies, theater and popular music; the audiences, content, performers, managers and owners.
Prerequisite: One course in sociology or departmental approval.

- SOCI 336**
THE SOCIOLOGY OF HELPING PROFESSIONS AND INSTITUTIONS 3.0
 This course focuses on the social functions, determinants, and consequences of helping professions such as social work, and helping institutions such as public welfare. Particular emphasis is placed on the relations of helping professions and institutions with their socio-political environment and with their clients.
Prerequisite: One course in sociology or departmental approval.
- SOCI 351**
JURIES AND JUSTICE 3.0
 An examination of the roots of the American jury system and the role of trials in the social construction of morality. Consideration of issues related to jury pools, selection, and representativeness. Examination of data from research on group processes within actual and mock juries, including communication and decision making in juries and juror bias. Students will also conduct field studies in local courts.
- SOCI 353**
SOCIOLOGY OF CORRECTIONS 3.0
 Traces the historical development of corrections in the United States and examines present trends. Explores the socio-political nature of various correctional policies, with special emphasis on current trends and controversies. Analyzes prison life from the perspectives of administrators, correction officers, and inmates.
- SOCI 390**
COOPERATIVE EDUCATION IN SOCIOLOGY 3.0-4.0
 The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator, and the office of Cooperative Education and is responsible for completing the terms of a learning contract.
Prerequisite: Departmental approval.
- SOCI 400**
SENIOR RESEARCH PROJECT 3.0-9.0
 Each student will select one sociological research topic or setting to explore utilizing qualitative and/or quantitative methods. Students will conduct their own empirical research under faculty supervision. Since different faculty members emphasize different research methods, students are urged to review individual syllabi prior to registering for the course.
Prerequisites: SOCI 301 and senior standing and departmental approval.
Prerequisite or Corequisite: SOCI 313 must be taken before or during the Senior Research Project.
- SOCI 401**
SOCIOLOGY OF EMOTIONS 3.0
 Humans have a unique capacity to experience a large variety of emotions. This course examines how cultures label, shape, and guide their members' emotional experience. It also explores the interplay between social-structural arrangements (e.g., family and economic systems) and emotion, illustrating links between macro-social patterns. Students will conduct original research on social factors related to emotionality.
Prerequisites: SOCI 301 or equivalent.
- SOCI 404**
SOCIOLOGY OF RELIGION 3.0
 The social bases of religious belief and activity; religious movements, denominationalism, sectarianism, secularization, pluralism, the social bases of belief and unbelief, and cross-cultural and historical comparisons.
Prerequisite: One course in sociology or departmental approval.
- SOCI 405**
DEVIANCE AND SOCIAL CONTROL 3.0
 Theoretical perspectives on human deviance. The social organization of specific types of deviance and of formal and informal social control.
Prerequisite: One course in sociology or departmental approval
- SOCI 407**
SOCIOLOGY OF THE MASS MEDIA 3.0
 Television, press, film, and other media--their social organization and how they function. Who the media influences--and how. Who influences the media--and how.
Prerequisite: One course in sociology or departmental approval.
- SOCI 408**
SOCIAL MOVEMENTS 3.0
 This course focuses on the study of concerted collective behavior for social change, or social movements. Various approaches to the understanding of social movements, including the natural history, case study, and analytical models, will be examined. Emphasis will be placed on relating theoretical work to contemporary empirical examples of social movement activity.
Prerequisite: One course in sociology or departmental approval.
- SOCI 411**
SELECTED TOPICS IN SOCIOLOGICAL THEORY 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to only the general area of sociological theory.
Prerequisite: One course in sociology or departmental approval.
- SOCI 412**
SELECTED TOPICS IN SOCIOLOGICAL RESEARCH METHODS 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to projects or study in research methodology.
Prerequisite: One course in sociology or departmental approval.
- SOCI 413**
SELECTED TOPICS IN INSTITUTIONAL PROCESSES 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to a consideration of problems in institutional processes.
Prerequisite: One course in sociology or departmental approval.
- SOCI 414**
SELECTED TOPICS IN APPLIED SOCIOLOGY 3.0
 The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to the application of sociological methodology, theory, or content to social situations or to community issues or problems.
Prerequisite: One course in sociology or departmental approval.
- SOCI 416**
QUALITATIVE RESEARCH IN SOCIOLOGY 3.0
 The course will explore qualitative research from diverse theoretical perspectives. It will examine the personal, political, and scientific dilemmas that researchers typically face attempting to gather objective data about the "backstage regions" of the subjects' world. Topics may include the researcher's role in the field; developing rapport and trust; emotions and fieldwork; age, race, sex, and gender issues in research; politics and ethics in fieldwork; researching "high risk" settings; and techniques of data collecting in interviewing and fieldwork.
Prerequisite: SOCI 201 or departmental approval.
- SOCI 420**
SOCIOLOGY OF LAW 3.0
 The impact of the social usages of law on all levels of operation as an instrument of social policy, social control and social regulation.
Prerequisite: One course in sociology or departmental approval.
- SOCI 426**
SOCIOLOGY OF SEXUALITY 3.0
 The course examines theoretical and empirical work in the sociology of sexuality. It seeks to understand the social foundations of sexual behavior and sexual identity. It explores the relationship between sexuality and politics, focusing on current as well as historical conflicts over sexual behavior and ideologies.
Prerequisite: One course in sociology or departmental approval.
- SOCI 430**
SOCIOLOGY OF GENDER 3.0
 The social determinants of differences between women and men and the effect of sex role differentiation in the social institutions of marriage and family, the economy and work situation, formal education, health, mass media, and religion; special emphasis is placed on the impact of social change on sex roles in contemporary society. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.

SPANISH/ITALIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Linda G. Levine

The major programs in Spanish and Italian are designed to help students achieve linguistic fluency, an appreciation of literature and a comprehensive knowledge of cultural history. The Spanish curriculum embraces both Spain and Spanish America, and the Department also offers courses in Portuguese.

Majors in both Spanish and Italian may elect a program in teacher certification which includes a semester of supervised practice teaching. A "second teaching field" sequence is available for both Spanish and Italian.

A special option in Spanish is a four-course concentration in translating and interpreting which provides a practical background for students preparing for careers in business, law, social service and other areas.

The Department also offers minor sequences in Spanish and Italian. Majors intending to pursue graduate studies are advised to acquire proficiency in at least one additional language. Minors such as Latin American and Latino Studies and Paralegal Studies provide further opportunities for specialized training. Additionally, Cooperative Education internships, providing both college credits and remuneration for supervised work experience, can be arranged for students of Spanish and Italian.

Study Abroad

It is highly recommended that majors spend a year, a semester or a summer studying in a Spanish or Italian speaking country. This study should preferably be planned for the junior year.

After successful completion of the program, credits will be granted by evaluation.

Spanish Major

Required Courses

36 semester hours:

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3

Electives (18 s.h.):

Literature Electives

Select 12 s.h. from the following:

SPAN 349 Introduction to Hispanic Literary Studies	3
SPAN 373 Selected Topics in Spanish and Latin American Literature	3
SPAN 439 Spanish Film and Fiction	3
SPAN 441 Spanish Novel of the 20th Century	3
SPAN 442 Spanish Poetry and Drama of the 19th Century	3
SPAN 443 Spanish Prose of the 19th Century	3
SPAN 444 Spanish Theater of the 20th Century	3
SPAN 446 Spanish-American Essayists	3
SPAN 447 Contemporary Spanish-American Short Story	3
SPAN 448 Contemporary Spanish-American Poetry	3
SPAN 449 The Spanish-American Novel	3
SPAN 460 El Quijote	3
SPAN 466 Contemporary Spanish-American Theater	3
SPAN 469 The Drama of the Golden Age	3
SPAN 470 Senior Seminar	3
SPAN 471 Contemporary Trends in the Spanish-American Novel	3
SPAN 472 Puerto Rican Literature and Thought	3
SPAN 473 Sexual Subversion in Contemporary Hispanic Literature and Film	3
SPAN 480 Independent Study	3

Cultural Elective:

Select 3 s.h. from the following:

SPAN 374 Spanish Cultural History	3
SPAN 376 Spanish-American Cultural History	3

Language Elective (3 s.h.):

SPAN 343 Introduction to Spanish Phonetics	3
SPAN 344 Spanish Conversation	3
SPAN 346 Selected Topics in Spanish Language	3
SPAN 347 Commercial Spanish	3
SPAN 350 Translation I	3
SPAN 351 Translation II	3
SPAN 410 Advanced Spanish Grammar	3
SPAN 422 Practicum in Translating	3
SPAN 450 Introduction to Interpreting	3
SPAN 452 Translation III	3
SAN 480 Independent Study	3

Spanish Major with Translation Concentration

The concentration in translation is designed to enhance the preparation of Spanish majors who are considering careers in diplomatic service, business, social service or law or who have an interest in literary translation.

Required Courses

Semester Hours

39 semester hours:

SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3

Electives (9 s.h.):

Literature Electives

Select 6 s.h. from the following:

SPAN 349 Introduction to Hispanic Literary Studies	3
SPAN 373 Selected Topics in Spanish and Latin American Literature	3
SPAN 439 Spanish Film and Fiction	3
SPAN 441 Spanish Novel of the 20th Century	3
SPAN 442 Spanish Poetry and Drama of the 19th Century	3
SPAN 443 Spanish Prose of the 19th Century	3
SPAN 444 Spanish Theater of the 20th Century	3
SPAN 446 Spanish-American Essayists	3
SPAN 447 Contemporary Spanish-American Short Story	3
SPAN 448 Contemporary Spanish-American Poetry	3
SPAN 449 The Spanish-American Novel	3
SPAN 460 El Quijote	3
SPAN 466 Contemporary Spanish-American Theater	3
SPAN 469 The Drama of the Golden Age	3
SPAN 470 Senior Seminar	3
SPAN 471 Contemporary Trends in the Spanish-American Novel	3
SPAN 472 Puerto Rican Literature and Thought	3
SPAN 473 Sexual Subversion in Contemporary Hispanic Literature and Film	3
SPAN 480 Independent Study	3

Cultural Elective

Select 3 s.h. from the following:

SPAN 374 Spanish Cultural History	3
SPAN 376 Spanish-American Cultural History	3

Concentration in Translation Requirements (12 s.h.):

SPAN 350 Translating I	3
SPAN 351 Translating II	3
SPAN 452 Translating III	3
SPAN 450 Introduction to Interpreting	3

Students who have successfully completed Translating III are eligible to take the certification examination given each year in May.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. As part of the professional sequence students must take SPAN 419 The Teaching of Spanish in Secondary Schools.

Required Courses

	Semester Hours
36 semester hours:	
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 343 Introduction to Phonetics	3
SPAN 361 Masterpieces of Spanish Literature I	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 363 Masterpieces of Spanish American Literature I	3
SPAN 364 Masterpieces of Spanish American Literature II	3
SPAN 410 Advanced Spanish Grammar	3

Electives(12 s.h.)

Literature Elective Courses (from approved department list)	9
SPAN 349 Introduction to Literary Studies	3
SPAN 373 Selected Topics in Spanish and Latin American Literature	3
SPAN 439 Spanish Film and Fiction	3
SPAN 441 Spanish Novel of the 20th Century	3
SPAN 442 Spanish Poetry and Drama of the 19th Century	3
SPAN 443 Spanish Prose of the 19th Century	3
SPAN 444 Spanish Theater of the 20th Century	3
SPAN 446 Spanish American Essayists	3
SPAN 447 Contemporary Spanish American Short Story	3
SPAN 448 Contemporary Spanish American Poetry	3
SPAN 449 Spanish American Novel	3
SPAN 460 El Quijote	3
SPAN 466 Contemporary Spanish American Theater	3
SPAN 469 The Drama of the Golden Age	3
SPAN 470 Senior Seminar	3
SPAN 471 Contemporary Trends in the Spanish American Theater	3
SPAN 472 Puerto Rican Literature and Thought	3
SPAN 473 Sexual Subversion in Contemporary Hispanic Literature and Film	3
SPAN 480 Independent Study	3
Cultural Elective (from approved department list)	3
SPAN 374 Spanish Cultural History	3
SPAN 376 Spanish American Cultural History	3

Second Teaching Field in Spanish

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Required Courses

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 343 Introduction to Spanish Phonetics	3
SPAN 344 Spanish Conversation	3
SPAN 374 Spanish Cultural History	3
OR	
SPAN 376 Spanish American Cultural History	3
SPAN 410 Advanced Spanish Grammar	3

Electives (Major)

Select 6 semester hours in literature courses from the appropriate list to be obtained from the department.

Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take SPAN 419, The Teaching of Spanish in Secondary Schools.

Spanish Minor

Required Courses

	Semester Hours
SPAN 241 Fundamentals of Spanish Grammar	3
SPAN 242 Spanish Composition and Stylistics	3
SPAN 362 Masterpieces of Spanish Literature II	3
SPAN 364 Masterpieces of Spanish American Literature II	3

Electives

Select 6 semester hours from electives in language, literature and culture listed below:

Literature Electives

SPAN 349 Introduction to Literary Studies	3
SPAN 361 Masterpieces Spanish Literature I	3
SPAN 363 Masterpieces of Spanish-American Literature I	3
SPAN 373 Selected Topics in Spanish and Latin American Literature	3
SPAN 439 Spanish Film and Fiction	3
SPAN 441 Spanish Novel of the 20th Century	3
SPAN 442 Spanish Poetry and Drama of the 19th Century	3
SPAN 443 Spanish Prose of the 19th Century	3
SPAN 444 Spanish Theater of the 20th Century	3
SPAN 446 Spanish American Essayists	3
SPAN 447 Contemporary Spanish American Short Story	3
SPAN 448 Contemporary Spanish American Poetry	3
SPAN 449 Spanish American Novel	3
SPAN 460 El Quijote	3
SPAN 466 Contemporary Spanish American Theater	3
SPAN 469 The Drama of the Golden Age	3
SPAN 470 Senior Seminar	3
SPAN 471 Contemporary Trends in the Spanish American Theater	3
SPAN 472 Puerto Rican Literature and Thought	3
SPAN 473 Sexual Subversion in Contemporary Hispanic Literature and Film	3
SPAN 480 Independent Study	3
Language Electives	
SPAN 343 Introduction to Spanish Phonetics	3
SPAN 344 Spanish Conversation	3
SPAN 346 Selected Topics in Spanish Language	3
SPAN 347 Commercial Spanish	3
SPAN 350 Translation I	3
SPAN 351 Translation II	3
SPAN 410 Advanced Spanish Grammar	3
SPAN 422 Practicum in Translating	3
SPAN 450 Introduction to Interpreting	3
SPAN 452 Translation III	3
Cultural Electives	
SPAN 374 Spanish Cultural History	3
SPAN 376 Spanish American Cultural History	3

Total Semester Hours 18

Hispanic Community Affairs Minor

Required Course

SPAN 472 Puerto Rican Literature and Thought	3
OR	
SPAN 280 Cuban Cultural History	3

Electives

Select 12 semester hours in courses from the interdepartmental list obtained from the department of Spanish and Italian.

Field Work

	Semester Hours
Select 3 courses:	
SPAN 360 Hispanic Community Program	3
SPAN 481 Field Work I	3
SPAN 482 Field Work II	3
SPAN 483 Field Work III	3

Italian Major

Required Courses

15 Semester hours:

ITAL 242	Italian Grammar and Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th to 20th Centuries	3
ITAL 360	Italian Cultural History	3

Electives (Major)

Select 21 semester hours from the appropriate list obtained from the department with at least one course from literature and one from language.

Teacher Certification

Students interested in teaching Italian must be admitted to the Teacher Education Program. See the professional sequence outlined in this catalog. As part of the professional sequence for Italian ITAL 419 The Teaching of Italian in Secondary Schools must be taken.

Major Requirements: (21 s.h.)

ITAL 242	Italian Grammar and Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 309	Italian Conversation	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th to 20th Centuries	3
ITAL 360	Italian Cultural History	3
ITAL 410	Italian Grammar for Teachers	3

Major electives: Select 15 semester hours from a list to be obtained by the department.

Total semester hours36

Second Teaching Field in Italian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

ITAL 242	Italian Grammar Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 309	Italian Conversation	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th through 20th Centuries	3
ITAL 360	Italian Cultural History	3
ITAL 410	Italian Grammar for Teachers	3

Elective

Select 3 semester hours from the appropriate list obtained from the department. Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take ITAL 419, The Teaching of Italian in Secondary Schools.

Italian Minor

Required Courses

ITAL 242	Italian Grammar and Composition I	3
ITAL 243	Grammar and Composition II	3
ITAL 340	Italian Literature: Origins to 18th Century	3
ITAL 341	Italian Literature: 18th through 20th Centuries	3
ITAL 360	Italian Cultural History	3

Elective

Select 3 semester hours from the appropriate list obtained from the department.

Total Semester Hours18

Courses of Instruction

SPAN I01

SPANISH I

3.0

For students starting Spanish in college or for students with one year of high school experience in Spanish. The fundamentals of listening comprehension, speaking, reading and writing through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.

Prerequisite: Special fee.

SPAN I02

SPANISH II

3.0

For students who have completed Spanish I at Montclair State University or who have two years of high school experience in Spanish, or students who have been placed at this level after taking the placement exam. The strengthening of listening comprehension, speaking, reading and writing skills through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.

Prerequisite: Special fee.

SPAN I03

SPANISH III

3.0

For students who have completed Spanish II at Montclair State University, students with three years of high school Spanish, or students who have been placed at this level after taking the placement exam. Advanced development of listening comprehension, speaking, reading and writing through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.

Prerequisite: Special fee.

SPAN I04

SPANISH IV

3.0

For students who took Spanish III at Montclair State University, students with four years of high school Spanish, or students who have been placed at this level after taking the placement exam. Review of the most important aspects of Spanish grammar; the strengthening of listening comprehension, speaking, reading and writing skills through task-based oriented activities, audio cassettes/CDs, and laboratory work; and the fundamentals of literary analysis. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.

Prerequisite: Special fee.

SPAN I34

ESSENTIALS OF SPANISH FOR NATIVE SPEAKERS

3.0

An intermediate level course to improve reading and writing skills of Spanish native speakers. Taught in Spanish.

Prerequisite: Special fee.

SPAN I35

SPANISH FOR NATIVE SPEAKERS

3.0

This course provides students who are native speakers with a program which enables them to perfect their command of both written and spoken Spanish beyond the Intermediate II level. The course is unique in that it places equal stress upon speaking, reading and writing in order to enable the student to function effectively with Spanish speaking people in the student's chosen profession. Emphasis is placed upon the more practical aspects of language learning. Meets the 1983 General Education Requirement (GER)–Foreign Language. Taught in Spanish.

Prerequisite: SPAN I04 or I34. Special fee.

SPAN 236

INTERMEDIATE SPANISH CONVERSATION

3.0

An intermediate level course for non-majors to improve spoken Spanish and acquire knowledge of Hispanic culture. Taught in Spanish.

SPAN 241

FUNDAMENTALS OF SPANISH GRAMMAR

3.0

This course is designed to give students an active command of the language by means of oral and written exercises, accompanied by a thorough review of the grammar, vocabulary, and idioms. Taught in Spanish.

- SPAN 242**
SPANISH COMPOSITION AND STYLISTICS 3.0
 This course is designed to improve the student's mastery of the language through written and oral exercises accompanied by a review of advanced grammar. Taught in Spanish. Meets the University Writing Requirement for SPAN, SPTE, SPTR majors.
- SPAN 306**
BUSINESS COMMUNICATION AND NEGOTIATION IN SPANISH 3.0
 Intermediate Spanish IV with intensive practice in the parlance of Spanish and Spanish American business. Communication and negotiation skills will be stressed. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 343**
INTRODUCTION TO SPANISH PHONETICS 3.0
 Spanish phonetics and phonemics: theory and practice; comparative analysis of Spanish and English phonology. The language laboratory is used extensively. Required for certification. Taught in Spanish.
Prerequisite: SPAN 241. Special fee.
- SPAN 344**
SPANISH CONVERSATION 3.0
 Practice in spoken Spanish through assigned topics and participation in discussions about daily life and world events; gives a competence in Spanish as an instrument of oral expression. Classes limited to 16 students. Required for certification. Native speakers of Spanish must substitute another elective. Taught in Spanish.
Prerequisite: SPAN 241.
- SPAN 346**
SELECTED TOPICS IN THE SPANISH LANGUAGE 3.0
 This course will explore one aspect of the Spanish language study which is either not covered in the curriculum or deserves more in-depth treatment than is possible in an existing course. May be repeated twice for a total of nine credits.
Prerequisites: SPAN 241 and SPAN 242.
- SPAN 347**
COMMERCIAL SPANISH 3.0
 For students interested in the business field: styles of letter writing, business vocabulary, legal terminology. Emphasis on written fluency and expression. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 349**
INTRODUCTION TO HISPANIC LITERARY STUDIES 3.0
 The course proposes to identify the characteristics of various literary genres and define the inner workings of a piece of literary text. Selections from Spanish and Latin American novels, short stories, poems, dramas and essays will be studied to enable the student to define the uniqueness of each genre. The role of the author, narrative point of view, figurative language, literary structure, and irony will be examined together with the influence of culture, ethnicity, and gender on the creative process. Taught in Spanish.
- SPAN 350**
TRANSLATING I 3.0
 Introduction to the techniques of translating Spanish/English and English/Spanish. Students translate actual documents and texts from a wide variety of fields in order to gain experience in methods of analysis, research and verification. Taught in Spanish. Meets the University Writing Requirement for SPAN, SPTR majors.
Prerequisite: Special fee.
- SPAN 351**
TRANSLATING II 3.0
 A continuation of Translating I. Materials chosen for translation reflect the career interests of the students in the class. Emphasis on professional ethics and the rudiments of translation theory. Taught in Spanish. Meets the University Writing Requirement for SPAN, SPTR majors.
Prerequisite: Special fee.
- SPAN 361**
MASTERPIECES OF SPANISH LITERATURE I 3.0
 The course is designed to introduce the students to Spain's literary history through an analysis of its major works, movements, and cultural trends from the Medieval period to the 18th Century. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: SPAN 241.
- SPAN 362**
MASTERPIECES OF SPANISH LITERATURE II 3.0
 The course is designed to introduce the student to Spain's literary history through an analysis of its major works, movements, and cultural trends from the 18th century to the present. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: SPAN 241.
- SPAN 363**
MASTERPIECES OF SPANISH AMERICAN LITERATURE I 3.0
 The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from pre-Columbian times to the latter part of the nineteenth century. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Prerequisite: SPAN 241.
- SPAN 364**
MASTERPIECES IN SPANISH AMERICAN LITERATURE II 3.0
 The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from the beginning of Modernism to the Contemporary Period. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement - Foreign Language.
Prerequisite: SPAN 241.
- SPAN 373**
SELECTED TOPICS IN SPANISH AND LATIN AMERICAN LITERATURE 3.0
 The exploration of a topic in Spanish or Latin American literature which deserves more in-depth treatment than is possible in an existing course. The specific topic will be announced each time the course is offered. This course may be repeated twice for a total of 9 credits.
Prerequisite: SPAN 362 or SPAN 364.
- SPAN 374**
SPANISH CULTURAL HISTORY 3.0
 The political, social, philosophical, literary and artistic ideas and institutions of Spain. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language.
Corequisite: SPAN 241.
- SPAN 375**
STUDY ABROAD 3.0
 Study at a university in a Spanish-speaking country to gain firsthand knowledge of the historical, social, economic and cultural life of the country. Credit by evaluation.
Prerequisite: Department approval.
- SPAN 376**
SPANISH AMERICAN CULTURAL HISTORY 3.0
 Development of the politics, art and philosophy of the Spanish-speaking nations of the Western hemisphere. Taught in Spanish. Meets the 1983 General Education Requirement (GER)-Foreign Language. Meets the Multicultural Awareness Requirement.
Corequisite: SPAN 241.
- SPAN 385**
COOPERATIVE EDUCATION 4.0-8.0
 This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.

- SPAN 410**
ADVANCED SPANISH GRAMMAR 3.0
 This course is a review of the most important structural features of Spanish, with special emphasis in those areas of interference with English structure which present the greatest difficulties to the student of Spanish. Required for certification. Taught in Spanish.
Prerequisite: SPAN 242.
- SPAN 419**
THE TEACHING OF SPANISH IN SECONDARY SCHOOLS 3.0
 This course is focused on such topics as values and aims in foreign language teaching, survey of methods, pronunciation, reading, grammar, reviews, realia, examinations, supervised study, etc. The course consists of readings and discussions, lesson planning and demonstrations, and organization of material for student teaching. Required for certification. Taught in English.
Prerequisite: SPAN 242.
- SPAN 422**
PRACTICUM IN TRANSLATING 3.0
 This course is designed to provide students with the practical experience of translating in semi-professional situations under faculty supervision. Taught in Spanish. Meets the University Writing Requirement for SPAN majors.
Prerequisite: Special fee.
- SPAN 439**
SPANISH FILM AND FICTION 3.0
 A study of significant works of Spanish Literature from the end of the 19th century through the present time as well as films by important film directors that are either based on such texts or reflect their principal themes. The course will provide detailed study of the evolution of major political and social issues in Spain during the last two centuries and the representation of issues in literature and film. The specificities of the fiction and film will be an essential component of the course and different narrative strategies and cinematographic techniques relevant to each work will be discussed.
- SPAN 441**
SPANISH NOVEL OF THE 20TH CENTURY 3.0
 The modern novel in Spain beginning with the "Generacion Del '98." Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 442**
SPANISH POETRY AND DRAMA OF THE 19TH CENTURY 3.0
 A critical study of the main works of this century beginning with Duque de Rivas and Espronceda through Echegaray and Galdos. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 443**
SPANISH PROSE OF THE 19TH CENTURY 3.0
 The main works in Romanticism, Realism and Naturalism in 19th century Spain. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 444**
SPANISH THEATRE OF THE TWENTIETH CENTURY 3.0
 Principal trends of the Spanish theater from Benavente to the contemporary dramatists. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 446**
SPANISH AMERICAN ESSAYISTS 3.0
 The role of the essay in Spanish American life and culture. Studies of selected modern essayists. Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 447**
CONTEMPORARY SPANISH AMERICAN SHORT STORY 3.0
 Trends in the contemporary short story; the short story as an important genre in Spanish American letters. Taught in Spanish.
Prerequisites or corequisites: SPAN 363, 364 or equivalent.
- SPAN 448**
CONTEMPORARY SPANISH AMERICAN POETRY 3.0
 A study of contemporary Spanish American poetry from its roots in modernism to the present day. Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 449**
THE SPANISH AMERICAN NOVEL 3.0
 Development of the Spanish American novel up to 1945. Taught in Spanish.
Prerequisite or corequisite: SPAN 363 or 364.
- SPAN 450**
INTRODUCTION TO INTERPRETING 3.0
 This course is designed to teach the student the specialized techniques of oral interpreting and to prepare them for a career in the field. Visits to observe professional interpreters at work will be arranged. Taught in Spanish.
Prerequisite: Special fee.
- SPAN 452**
TRANSLATING III 3.0
 Under careful supervision, the student will prepare a translation project, usually consisting of the translation of a text of approximately 50 typewritten pages. Taught in Spanish.
Prerequisites: SPAN 350. Special fee.
- SPAN 460**
EL QUIJOTE 3.0
 The literary and social background, structure, themes and style of El Quijote as a masterpiece. Taught in Spanish.
Prerequisites: SPAN 361 or 362
- SPAN 466**
CONTEMPORARY SPANISH AMERICAN THEATER 3.0
 The principal movements of the theater in Spanish America in the 20th century. Taught in Spanish.
Prerequisites: SPAN 363 or 364.
- SPAN 469**
THE DRAMA OF THE GOLDEN AGE 3.0
 Representative dramatists of the Siglo de Oro: Lope de Vega, Tirso de Molina, Ruiz de Alarcón and Calderón de La Barca. Taught in Spanish.
Prerequisites: SPAN 361 or 362.
- SPAN 470**
SENIOR SEMINAR 3.0
 Selected topics from Spanish and Spanish American literature acquaint the student with the techniques of literary research. Taught in Spanish.
Prerequisites: Senior Spanish majors only.
- SPAN 471**
CONTEMPORARY TRENDS IN THE SPANISH AMERICAN NOVEL 3.0
 The contemporary novel in Spanish America, with emphasis on the "Nueva Novela." Taught in Spanish.
Prerequisite: SPAN 363 or 364.
- SPAN 472**
PUERTO RICAN LITERATURE AND THOUGHT 3.0
 Insight into the literature and philosophy of the Caribbean Hispanic world; contemporary Puerto Rican writers and the emergent Puerto Rican influence in the United States metropolitan areas. Taught in Spanish. Meets the Multicultural Awareness Requirement.
- SPAN 473**
SEXUAL SUBVERSION IN CONTEMPORARY HISPANIC LITERATURE AND FILM 3.0
 This course examines various representations of sexual subversion in selected works and films of Spanish, Latin American, and Caribbean writers and film directors. It analyzes the role of the body and subversive sexualities in challenging politically imposed sexual norms and socially encoded gender practices. Topics include homosexuality and dissidence, transgender and performance, lesbianism, female bonding, and transsexualism.
Prerequisite: SPAN 362 or SPAN 364.
- SPAN 480**
INDEPENDENT STUDY 3.0
 Directed independent study and research in Spanish. Open to students with a 3.00 cumulative average in at least 9 semester hours of Spanish electives.
Prerequisites: Departmental approval.

- ITAL 101**
ITALIAN I 3.0
 For students beginning Italian in college or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading, and writing through task-oriented activities, video/audio cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.
- ITAL 102**
ITALIAN II 3.0
 For students who took *Italian I* at Montclair State University, students with two years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 101 or equivalent. Special fee.
- ITAL 103**
ITALIAN III 3.0
 For students who took *Italian II* at Montclair State University, students with three years of high school experience in Italian, or students who have been placed at this level through the placement test. The strengthening of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. A continuation of Italian II to strengthen the four language skills. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 102 or equivalent. Special fee.
- ITAL 104**
ITALIAN IV 3.0
 For students who took *Italian III* at Montclair State University, students with two years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 103 or equivalent. Special fee.
- ITAL 242**
ITALIAN GRAMMAR AND COMPOSITION I 3.0
 Gives students better control of the structure of the language through written and oral practice. Required for majors. Taught in Italian.
- ITAL 243**
GRAMMAR AND COMPOSITION II 3.0
 Mastery of the language through written and oral exercises; review of advanced grammar. Required for majors. Taught in Italian. Meets the University Writing Requirement for ITAL, ITTE majors.
- ITAL 275**
ITALIANS AND ITALIAN AMERICANS: COMPARATIVE STUDIES 3.0
 This course shows the relationship between the Italian and Italian American experiences. It deals with aspects of religion, politics, language, work and moral codes. Comparisons are made with the experiences of other ethnic groups in America. The course is taught with an interdisciplinary approach. Taught in English. Cross listed with Classics and General Humanities, GNHU 176; Educational Foundations, EDFD 275.
- ITAL 276**
THE ITALIAN CINEMA 3.0
 Development of the Italian cinema from Neo-Realism to today, in particular dealing with the following directors: Rossellini, Fellini, Desica, Zavattini, Bertolucci, Pasolini, Antonioni, Germi and Wertmüller. Taught in English. Cross listed with Classics and General Humanities, GNHU 277.
- ITAL 281**
CONTEMPORARY ITALIAN CULTURAL STUDIES 3.0
 Introduction to and critical assessment of social, political, historical, economic, and religious aspects of Italian life by questioning them with a broad range of subtopics such as immigration/racism, identity, popular culture and others in search of a broader understanding of Italian culture. Comparisons drawn between Italian and American cultures. Taught in English. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.
- ITAL 309**
ITALIAN CONVERSATION 3.0
 Practice in spoken Italian through assigned topics and discussions about daily life and world events. An opportunity to acquire an adequate vocabulary and competence in Italian as an instrument of oral expression. Taught in Italian.
- ITAL 321**
COMMERCIAL ITALIAN 3.0
 This course has been prepared for students majoring or minoring in Italian, or who can demonstrate appropriate linguistic ability in Italian, who wish to study the vocabulary, protocol and styles of correspondence, and documents common to the Italian-speaking business world. Taught in Italian.
Prerequisite: Special fee.
- ITAL 340**
STUDIES IN ITALIAN LITERATURE: ORIGINS TO 18TH CENTURY 3.0
 Representative works from the "Scuola Siciliana" to the 18th century analyzed and discussed. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)–Foreign Language.
- ITAL 341**
STUDIES IN ITALIAN LITERATURE: 18TH THROUGH 20TH CENTURY 3.0
 Representative works of the 18th through 20th centuries analyzed and discussed to train students in the analysis of literary works. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 104.
- ITAL 350**
TRANSLATING 3.0
 The course will cover general theoretical and philosophical problems of translation and specific problems encountered in the actual translation of different types of texts ranging from literary works to daily communications. Taught in Italian.
Prerequisite: ITAL 242. Special fee.
- ITAL 351**
ITALIAN LITERATURE OF THE 20TH CENTURY I 3.0
 Particular attention to the contemporary period. Pirandello, Saba, Ungaretti, Montale and Quasimodo. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 352**
ITALIAN LITERATURE OF THE 20TH CENTURY II 3.0
 Particular attention to the contemporary period. Pavese, Moravia, Silone, Vittorini and others. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 360**
ITALIAN CULTURAL HISTORY 3.0
 This course is designed to acquaint the students with the complex and rich texture of Italian civilization from its beginnings to the present. The development of Italian arts, music and theater as well as major social and political institutions, religion, etc. will be considered against the background of Italian history. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)–Foreign Language.
- ITAL 361**
ITALIAN LITERATURE OF THE 19TH CENTURY I 3.0
 Neo-classicism, Romanticism, and Verismo. Foscolo, Manzoni and Leopardi. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 362**
ITALIAN LITERATURE OF THE 19TH CENTURY II 3.0
 Neo-classicism, Romanticism, and Verismo. Carducci, Pascoli, Verga and D'Annunzio. Taught in Italian.
Prerequisite: ITAL 340 or 341.
- ITAL 375**
ITALIAN STUDY ABROAD 3.0
 Study at an Italian university to gain first hand knowledge of the historical, social, economic and cultural life of Italy. Credit by evaluation.
Prerequisite: Department approval.

- ITAL 377
ITALIAN LITERATURE OF THE 18TH CENTURY 3.0
Representative works of the most important writers of this century: Goldoni, Parini, Alfieri, and others will be read and analyzed.
Prerequisite: ITAL 340 or 341.
- ITAL 385
COOPERATIVE EDUCATION 4.0-8.0
This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.
- ITAL 410
ADVANCED ITALIAN GRAMMAR 3.0
A review of the most important structural features of Italian with special emphasis on those areas of interference with English which present the greatest difficulties for the student of Italian. Open to all Italian majors. Taught in Italian.
Prerequisite: ITAL 243.
- ITAL 419
THE TEACHING OF ITALIAN IN SECONDARY SCHOOLS 3.0
Aims, objectives, and methods of teaching Italian in secondary schools; textbooks, supplementary teaching material, the language laboratory, tests, etc. Taught in English.
Prerequisites: ITAL 340 and 341.
- ITAL 441
ITALIAN LITERATURE OF THE RENAISSANCE I 3.0
The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Emphasis on select works of Petrarch and Boccaccio. Taught in Italian.
Prerequisites: ITAL 340 and 341.
- ITAL 442
ITALIAN LITERATURE OF THE RENAISSANCE II 3.0
The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Selected readings from Lorenzo De Medici, Poliziano, Pulci, Boiardo, Ariosto, Tasso, Machiavelli and others. Taught in Italian.
Prerequisites: ITAL 340 and 341.
- ITAL 461
DANTE SEMINAR I 3.0
Medieval thought as represented in Dante's works. A selection of readings from Vita Nova, Convivio, Monarchia, analysis and exegesis of Inferno. Taught in Italian.
Prerequisites: ITAL 340 and 341.
- ITAL 462
DANTE SEMINAR II 3.0
Medieval thought as represented in Dante's works. A selection of readings from Vita Nova, De Vulgari Eloquentia, Convivum, and Divina Commedia read and analyzed. Taught in Italian.
Prerequisites: ITAL 340 and 341.
- ITAL 469
ITALIAN LITERATURE OF THE 13TH AND 14TH CENTURIES 3.0
The most important representatives of the Sicilian and Tuscan schools, with particular attention to the Dolce Stil Novo and the works of Dante. Taught in Italian.
Prerequisite: ITAL 340.
- ITAL 480
INDEPENDENT STUDY 3.0
Directed independent study and research in Italian. Open to students with a minimum of 3.0 cumulative average in at least 9 hours of Italian electives.
Prerequisite: Departmental approval.
- PORT 101
PORTUGUESE I 3.0
For students with no previous study of Portuguese. Training students to understand, speak, read and write the language. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: Special fee.
- PORT 102
PORTUGUESE II 3.0
A continuation of Portuguese I, furthering the training in the understanding, speaking, reading and writing of the language. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: Special fee.

THEATRE AND DANCE

SCHOOL OF THE ARTS

Chairperson: Eric Diamond

The Department of Theatre and Dance prides itself on its academic and professional curricula, the exceptional quality of its faculty and the success of its graduates. Because its programs feature both liberal arts and professional training—the cultural legacy which influences all worthwhile quality education—student majors are afforded ample opportunities to participate in meaningful learning experiences and are given increasing responsibility as their training proceeds.

The Bachelor of Arts (B.A.) degree in Theatre Studies, is designed for those interested in the broad based, academic approach to liberal arts education. It requires a successful interview for admission to the program.

The Bachelor of Fine Arts (B.F.A.) degree program has three areas for those interested in pursuing a professional performance or production/design career. It includes a Dance major, a Theatre major with an Acting concentration and a Theatre major with a Production/Design concentration. Each of these areas requires a successful audition or portfolio review for admission to the program.

The Department of Theatre and Dance also requires an audition or interview for those interested in a minor in any of the following programs of study: Dance, Theatre or Musical Theatre. The dates and requirements for department admission and interviews/auditions may be obtained from the Admissions Office or by calling the Department of Theatre and Dance at (973) 655-4217.

Special features of the academic program include internships, performance ensembles, departmental productions, Theatre in the Raw, and Dance Repertory Company. The Department of Theatre and Dance is an accredited institutional member of the National Association of Schools of Theatre (NAST) and National Association of Schools of Dance (NASD). There is also a national honorary fraternity in the Department of Theatre and Dance: Theta Alpha Phi.

Theatre Studies Major—B.A.

Required Courses

	Semester Hours
THTR 100 Introduction to Theatrical Medium*	3
THTR 105 Acting I*	3
THTR 110 Acting II - B.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	6
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 330 Play Direction I	3
THTR 361 B.A. Theatre Workshop	3
THTR 410 Senior Project: B.A. Theatre	3
THTR 411 Dramatic Criticism	3

Note: THTR 105 may be used to fulfill a 2002 General Education Requirement (GEN ED). THTR 100 and THTR 105 may be used to fulfill a 1983 General Education Requirement (GER).

Theatre Electives 9

To be chosen from the following:

THTR 112 Singing for the Actor I	3
THTR 160 Drawing and Rendering I: Theatre	3
THTR 212 Singing for the Actor II	3
THTR 234 History of Decor	3
THTR 238 Musical Theatre I	3
THTR 245 Drafting I: Theatre	3
THTR 252 Scene Design I	3
THTR 258 Fundamentals of Stage Lighting	3
THTR 278 Stage Make-Up	3
THTR 338 Musical Theatre II	3
THTR 362 Stage Dialects	3
THTR 366 Stage Technique: Combat	3
THTR 391 Playwriting	3
THTR 430 Play Direction II	3

THTR 433 Shakespeare Workshop	3
THTR 490 Internship in Theatre	4-16

Collateral Course Requirements 6

To be chosen from the following:

ENGL 234 American Drama	3
ENGL 254 English Drama: Beginnings to 1642	3
ENGL 263 Art of Drama	3
ENGL 353 Shakespeare: Comedies-Histories	3
GNHU 285 Mythology	3
MUGN100 Introduction to Music	3

Free Electives 14

Dance Major—B.F.A.

Required Courses

	Semester Hours
Performance and Choreography (60 semester hours)	
Dance Technique: Modern	24
Dance Technique: Ballet	24
DNCE 485 Dance Repertory	4
DNCE 265 Dance Improvisation	2
DNCE 161 Choreography I	2
DNCE 261 Choreography II	2
DNCE 361 Choreography III	2

Theoretical Studies (20 semester hours)

DNCE 150 Production Elements-Dance	2
DNCE 205 Rhythmic Analysis	3
DNCE 235 Laban Movement Analysis and Bartenieff Fundamentals	3
DNCE 315 Dance History: Primitive to 1850	3
DNCE 316 Dance History: 1850 to Present	3
DNCE 325 Dance Methods	3
BIOL 240 Mammalian Anatomy and Physiology I	3

*All dance technique classes in Modern and Ballet are by prior placement.

Free Electives 11-17

Note: DNCE 435 Dance Arts Activity may only be taken as free elective with departmental permission.

Students must attain the advanced level in one dance technique and intermediate in the other for at least one (1) semester prior to graduation. Four jury exams are required for graduation.

Theatre Major—B.F.A.

Concentrations Within the Program

Students in the B.F.A. programs are subject to semester jury or portfolio review and faculty evaluation to determine if they should be permitted to continue in the pre-professional programs of training.

Acting Concentration

Required Courses

THTR 100 Introduction to Theatrical Medium	3
THTR 115 Acting I - B.F.A.	3
THTR 120, 220 Movement for the Actor I-II	6
THTR 125, 225, 325 Voice for the Performer I-II-III	9
THTR 130 Acting II-B.F.A.	3
THTR 150 Stagecraft	3
THTR 201, 202, 203 Rehearsal and Production I, II, III	8
THTR 208 Play Script Interpretation	3
THTR 210 Theatre History: Classical to Elizabethan	3
THTR 211 Theatre History: Restoration to Modern	3
THTR 222 Acting III-B.F.A.	3
THTR 223 Acting IV: B.F.A.: Characterization	3
THTR 278 Stage Make-Up	3
THTR 322 Acting V: B.F.A.: Styles	3
THTR 323 Acting VI: Acting for Television	3
THTR 324 Acting VII: Professional Auditions	3
THTR 330, 430 Play Direction I-II	6
THTR 362 Stage Dialects	3
THTR 371 History of Costumes: Primitive-Modern	3

Theatre Electives 6

To be chosen from the following:

THTR 112	Singing for the Actor I	3
THTR 212	Singing for the Actor II	3
THTR 238	Musical Theatre I	3
THTR 338	Musical Theatre II	3
THTR 366	Stage Technique: Combat	3
THTR 391	Playwriting	3
THTR 433	Shakespeare Workshop	3
THTR 435	Dramatic Workshop	3
THTR 490	Internship in Theatre	4-16

Free Electives 14

Production/Design Concentration

Required Courses

Semester Hours

Major Courses (30 semester hours)

THTR 150	Stagecraft	3
THTR 160	Drawing and Rendering I: Theatre	3
THTR 234	History of Decor	3
THTR 245	Drafting I: Theatre	3
THTR 246	Drafting II: Theatre	3
THTR 250	Advanced Theatre Technology	3
THTR 252	Scene Design I	3
THTR 255	Stage Management	3
THTR 258	Fundamentals of Stage Lighting	3
THTR 371	History of Costumes: Primitive-Modern	3

Supportive Theatre Courses (29 semester hours)

THTR 205	Rehearsal and Production: BFA Production and Design	2
<i>(This is a two semester hour course which is taken for 7 semesters)</i>		
THTR 208	Play Script Interpretation	3
THTR 210	Theatre History: Classical to Elizabethan	3
THTR 211	Theatre History: Restoration to Modern	3
THTR 330	Play Direction I	3
THTR 440	Senior Project: Production/Design	3

Theatre Electives (7-13 semester hours)

Select from the following:

THTR 260	Drawing and Rendering II: Theatre	3
THTR 278	Stage Makeup	3
THTR 345	Scene Design II	3
THTR 350	Technical Direction	3
THTR 352	Scene Painting	3
THTR 354	Repair and Maintenance of Theatrical Equipment	3
THTR 370	Costume Construction I	3
THTR 372	Costume Design I	3
THTR 403	Independent Study	1-3
THTR 450	Theatrical Sound	3
THTR 458	Advanced Lighting	3
THTR 490	Internship in Theatre	4-16
PHYS 443	Computer Aided Drafting	3

Free Electives 7-13

Minor Programs

Students wishing to pursue a minor in any academic program in the Department of Theatre and Dance and have it listed on their transcript must proceed as follows:

1. Schedule and complete an interview/audition for acceptance into the minor program desired.
2. Complete the Minor Program sequence.
3. Request the Registrar, during the senior year of study, to certify on official Montclair State records the completion of a minor program of study.

Dance Minor

Required Courses

Semester Hours

DNCE 316	Dance History: 1850 to Present	
OR		
DNCE 105	Dance Appreciation	3
DNCE 141, 241, 341, 441	Dance Technique: Modern I, II, III, IV*	6
DNCE 155, 255, 355, 455	Dance Technique: Ballet I, II, III, IV*	6

Dance Elective(s) to be selected from: 6-8

DNCE 141, 241, 341, 441	Dance Technique: Modern I, II, III, IV*	3
DNCE 155, 255, 355, 455	Dance Technique: Ballet I, II, III, IV*	3
DNCE 150	Production Elements-Dance	2
DNCE 161	Choreography I	2
DNCE 265	Dance Improvisation	2
DNCE 315	Dance History: Primitive to 1850	3
DNCE 280	Dance Practicum	

OR

DNCE 485	Repertory	1
DNCE 435	Dance Arts Activity	1-3

Total semester hours 21-23

*Placement level to be determined by audition.

Musical Theatre Minor

Required Courses

Semester Hours

THTR 112	Singing for the Actor I	3
THTR 212	Singing for the Actor II	3
THTR 105	Acting I	

OR

THTR 115	Acting I - B.F.A.	3
THTR 201	Rehearsal and Production I	1
THTR 238	Musical Theatre I	3
THTR 338	Musical Theatre II	3

One dance elective from the following:

THTR 120	Movement for the Actor I	3
DNCE 141	Dance Technique: Modern I	3
DNCE 155	Dance Technique: Ballet I	3

One theatre elective to be selected from:

THTR 100	Introduction to Theatrical Medium	3
THTR 150	Stagecraft	3
THTR 110	Acting II - B.A.	

OR

THTR 130	Acting II-B.F.A.	3
----------	------------------	---

Theatre Minor

Required Courses

Semester Hours

THTR 100	Introduction to Theatrical Medium	3
THTR 105	Acting I	3
THTR 201	Rehearsal and Production I	1
THTR 210	Theatre History: Classical to Elizabethan	

OR

THTR 211	Theatre History: Restoration to Modern	3
Theatre Electives to be selected from the following:		9

THTR 110	Acting II	3
THTR 150	Stagecraft	3
THTR 201	Rehearsal and Production	1-3
THTR 210	Theatre History I	3
THTR 211	Theatre History II	3
THTR 330	Play Direction I	3

Courses of Instruction

DNCE 105

DANCE APPRECIATION

3.0

Course is designed to inform the student about dance as a performing art form. Focus is on developing a critical framework for viewing various styles of dance performance. The course includes lectures, discussions, selected readings, films, video tapes, and live performances. Some experiential movement sessions. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Fine and Performing Arts: Art Appreciation.

Prerequisites: Non-majors only.

- DNCE 141
DANCE TECHNIQUE: MODERN I 3.0
Introduction to modern dance. Techniques and basic elements of modern dance. Designed for non-majors or students with limited or no previous experience. May be repeated for a maximum of twelve credits. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- DNCE 150
PRODUCTION ELEMENTS-DANCE 2.0
Introduction to technical productions related to dance. Survey of terminology, application of production principles, and aesthetic potential for production.
- DNCE 155
DANCE TECHNIQUE: BALLET I 3.0
Study of basic ballet terminology, barre work, center floor exercises. May be repeated for a maximum of 12 credits. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression.
Prerequisite: Special fee.
- DNCE 161
CHOREOGRAPHY I 2.0
Elements and methods of dance composition.
Prerequisite: DNCE 265.
- DNCE 205
RHYTHMIC ANALYSIS 3.0
All basic rhythmic structures (basic note values, meter, etc.) covered and immediately applied to movement; games, notational assignments, and choreographic studies used to create understanding of the inherent rhythm within all basic dance movement.
Prerequisites: Dance majors only.
- DNCE 235
LABAN MOVEMENT ANALYSIS AND
BARTENIEFF FUNDAMENTALS 3.0
Introduces principles and practical applications of Laban Movement Analysis and the Bartenieff Fundamentals. Presents LMA as a comprehensive system of analyzing, observing and notating human movement. Bartenieff Fundamentals, a body therapy used to increase body and movement efficiency with greater ease, explores the functional anatomy of body organization and patterning in human movement. Course includes both theory and practical application.
Prerequisite: Dance majors only
- DNCE 241
DANCE TECHNIQUE: MODERN II 3.0
Further study and application of basic movement vocabulary, alignment, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 255
DANCE TECHNIQUE: BALLET II 3.0
Further study of beginning ballet with emphasis on structural alignment, barre work and center floor exercises. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 261
CHOREOGRAPHY II 2.0
Dance choreography with emphasis on small group works and solos, including form and structure.
Prerequisite: DNCE 161.
- DNCE 265
DANCE IMPROVISATION 2.0
Basic skills and problems in dance improvisation.
Prerequisite: Dance majors or minors only.
- DNCE 280
DANCE PRACTICUM 1.0
Practical work in dance production: dancing, assisting, directing, accompanying, working on technical or house crew. May be repeated for a maximum of eight credits. This course offered as Pass/Fail only.
- DNCE 315
DANCE HISTORY: PRIMITIVE TO 1850 3.0
Dance as it has developed from primitive, religious, and ritualistic movement to the establishment of ballet in Russia. Emphasis upon ancient forms, courtly life, and the development of ballet. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Meets the University Writing Requirement for DANC majors.
- DNCE 316
DANCE HISTORY: 1850 TO PRESENT 3.0
Study of dance in its historical context, with reference to development of ballet, modern dance, post-modernism, and jazz elements. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Meets the University Writing Requirement for DANC majors.
- DNCE 325
DANCE METHODS 3.0
Approaches, problems, resources and techniques for teaching and developing dance programs geared to grades 7-12 and various adult levels. Includes curriculum, unit and lesson planning as well as practical application of methodology.
Prerequisites: Dance majors only.
- DNCE 341
DANCE TECHNIQUE: MODERN III 3.0
Further study and application of basic movement vocabulary, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 355
DANCE TECHNIQUE: BALLET III 3.0
Advanced technique in ballet with emphasis on individualized placement. Work on musicality, line, dynamics and stylistic refinement. May be repeated for a maximum of 24 credits.
Prerequisites: Dance majors or minors only. Special fee.
- DNCE 361
CHOREOGRAPHY III 2.0
Exploring and applying performance concepts and techniques used in choreographing for groups of varying sizes.
Prerequisite: DNCE 261.
- DNCE 401
DANCE FOR CHILDREN 2.0
This course will explore all aspects of teaching dance to children (K-6) in the public school system and in the private sector.
Prerequisites: DNCE 161, DNCE 205, DNCE 235, DNCE 265, two semesters of ballet (DNCE 255, DNCE 355, DNCE 455) and two semesters of modern (DNCE 241, DNCE 341, DNCE 441).
- DNCE 403
INDEPENDENT STUDY 1.0-3.0
Proposals must be submitted for departmental approval prior to registration for the course.
Prerequisite: Departmental approval.
- DNCE 435
DANCE ARTS ACTIVITY 3.0
The theory and practice of specialized dance activities which are not currently part of the core curriculum in dance. May be repeated for credit when the title changes.
- DNCE 441
DANCE TECHNIQUE: MODERN IV 3.0
Continuation of DNCE 341. May be repeated for a maximum of 24 credits.
Prerequisite: Dance majors or minors only. Special fee.
- DNCE 455
DANCE TECHNIQUE: BALLET IV 3.0
Advanced ballet technique with emphasis on individualized placement. Continuation of work with intricate, technically difficult sequences. Continuation of emphasis on musicality, line, dynamics, and stylistic refinement. May be repeated for a maximum of 24 credits.
Prerequisites: Dance majors or minors only. Special fee.

- DNCE 480**
SENIOR PROJECT 3.0
 Individual creative or research project under supervision of dance faculty in senior year. By arrangement.
Prerequisite: Dance majors or minors only.
- DNCE 485**
DANCE REPERTORY 0.5
 Dancing, choreographing, or providing technical assistance for the MSU Repertory Dance Company. Must be taken every semester.
Prerequisite: Dance majors or minors only.
- DNCE 490**
INTERNSHIP IN DANCE 4.0-15.0
 Upper class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in active, successful dance activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisite: Departmental approval.
- THTR 100**
INTRODUCTION TO THE THEATRICAL MEDIUM 3.0
 All forms of theatrical literature and productions including drama, ballet, mime, opera, circus, musical comedy and mass media. Meets the 1983 General Education Requirement (GER)—Fine and Performing Arts: Art Appreciation.
- THTR 105**
ACTING I 3.0
 Basic introduction to acting involving exploration of one's self and experiencing inwardly; deepening the personal involvement and significance of actions; improvisation and exercises for perception, self-awareness and justification. Meets Gen Ed 2002—Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)—Electives, Creative Expression.
- THTR 110**
ACTING II - B.A. 3.0
 Continuation of Acting I including improvisation, scene study, characterization and script analysis.
Prerequisite: THTR 105; B.A. Theatre Studies majors only.
- THTR 112**
SINGING FOR THE ACTOR I 3.0
 This course will develop and train the actors' voice and interpretation of songs through exercises, vocal production technique, in-class vocal assignments, and texts. The student will be expected to learn and prepare several songs over the term and be expected to be able to present them in a professional manner, i.e., with confidence, control and in a manner which best displays the actors' vocal abilities.
Prerequisite: THTR 105 or 115.
- THTR 115**
ACTING I - B.F.A. 3.0
 Work on the actor's instrument; use of the senses, involvement with the environment and other actors; concentration, honesty and work with freeing the body, voice and imagination. Improvisation is the primary tool used for developing the actor's instrument and shaping material.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 120**
MOVEMENT FOR THE ACTOR I 3.0
 Basic movement for the actor in terms of development of characterization, physicality and projection of mood and attitude.
Prerequisite: B.F.A. in Theatre, Acting concentration majors or Musical Theatre majors only.
- THTR 125**
VOICE FOR THE PERFORMER I 3.0
 The voice skills necessary for the actor. Intensive work directed toward classic and modern styles in stage diction.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 130**
ACTING II - B.F.A. 3.0
 A continuation of Acting I with more advanced work on the actor's instrument. Improvisation and theatre games used in developing a workshop for public presentation.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 150**
STAGECRAFT 3.0
 An introductory course in technical theatre, primarily, scenery construction, lighting technology, and costume construction. A practical experience course that involves stagecraft work in the theatre production shops.
Prerequisites: B.A. in Theatre Studies, or B.F.A. in Theatre, Acting concentration, or B.F.A. in Theatre, Production/Design concentration, or B.F.A. Dance majors, or Theatre minor students only.
- THTR 160**
DRAWING AND RENDERING I: THEATRE 3.0
 A drawing course aimed at developing skills necessary for rendering techniques for stage designs. Perspective drawing, the use of light, shadow, composition, landscape and the techniques in different media (such as pencil, charcoal, pastel, ink, tempera), basic water color technique, color theory, and architectural sketching are included.
Prerequisite: THTR 150.
- THTR 201**
REHEARSAL AND PRODUCTION I 1.0
 On or off stage experience in departmental productions. May be repeated seven times for a total of eight semester hours.
- THTR 202**
REHEARSAL AND PRODUCTION II 1.0
 On or off stage experience in departmental productions. May be repeated seven times for a total of eight semester hours.
- THTR 203**
REHEARSAL AND PRODUCTION III 1.0
 On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.
- THTR 205**
REHEARSAL AND PRODUCTION: BFA PRODUCTION AND DESIGN 2.0
 Course involves intense practical work on departmental productions. Taken each semester for first seven semesters in BFA Production/Design Program for a total of 14 credits.
Prerequisite: BFA Production/Design majors only.
- THTR 208**
PLAY SCRIPT INTERPRETATION 3.0
 An evaluation of the playscript in terms of the literary, technical, and production elements essential to mounting it for performance. A consideration of both the fictional and the functional elements of playscripts. Meets the University Writing Requirement for THAC, THPD, THST majors.
- THTR 210**
THEATRE HISTORY: CLASSICAL TO ELIZABETHAN 3.0
 The development of the theatre from the Classical Greek through the Elizabethan period. Attention to plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations; oral reports, lectures and demonstrations. Meets the University Writing Requirement for THAC, THPD, THST majors.
- THTR 211**
THEATRE HISTORY: RESTORATION TO MODERN 3.0
 The development of the theatre from the Restoration through the Modern period. Attention on plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations of the period; oral reports, lectures and demonstrations. Meets the University Writing Requirement for THAC, THPD, THST majors.

- THTR 212**
SINGING FOR THE ACTOR II 3.0
 This course will continue the work of *Singing for the Actor I* to train the actors' voice through exercises and vocal production technique designed to provide flexibility and freedom to the singer; to learn to protect the voice from harm while maximizing its strengths and potential.
Prerequisites: THTR 112.
- THTR 220**
MOVEMENT FOR THE ACTOR II 3.0
 Advanced movement for the actor in terms of the relationship of movement to characterization and the need to cultivate physical and emotional relationships in body movement.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 222**
ACTING III - B.F.A. 3.0
 Introduction to the creation and use of psychophysical action (method of physical actions) to generate physical and emotional involvement; development of work with objectives, obstacles and actions and use of the body's musculature to involve the actor and project character in both nonverbal and scripted scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 223**
ACTING IV - B.F.A.: CHARACTERIZATION 3.0
 A continuation of Acting III and work with psychophysical action; further development of objectives, obstacles, and actions and work with the body's musculature. More advanced character study through scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 225**
VOICE FOR THE PERFORMER-II 3.0
 Intermediate study in the voice skills necessary for performance in a professional setting. Advanced work in voice production and vocal characterization directed toward performance styles and stage presentation.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 234**
HISTORY OF DECOR 3.0
 The major architectural and decorative periods of the world and their influences and role in the theatre as applied to the designer, from Ancient to Post-Modern.
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 238**
MUSICAL THEATRE I 3.0
 Production styles, techniques and dramatic conventions used in the musical theatre in relation to direction, music, dance, and design.
Prerequisites: THTR 105 or 115.
- THTR 245**
DRAFTING I: THEATRE 3.0
 Techniques in theatrical drafting that explore the mechanics of drafting through the solution of practical problems in floor planning, front and rear elevations; the use of different building techniques, materials and structures.
Prerequisite: THTR 150.
- THTR 246**
DRAFTING II: THEATRE 3.0
 Advanced study in building, rigging, and stress problems related to theatre design and production. Advanced drafting techniques for theatrical designs.
Prerequisites: THTR 245.
- THTR 250**
ADVANCED THEATRE TECHNOLOGY 3.0
 An advanced course in technical theatre. Examples of topics to be covered are mechanics, stage rigging, advanced construction techniques, pneumatics, hydraulics and electronics. Practical application in department of theatre productions.
Prerequisite: THTR 150.
- THTR 252**
SCENE DESIGN I 3.0
 Interpretation or dramatic texts towards the realization of effective stage designs. Styles and principles will be explored as well as the complete process which translates visual concepts into stage worthy designs. The use of different media: drawing ground plans, paint, front elevations.
Prerequisites: THTR 160.
- THTR 255**
STAGE MANAGEMENT 3.0
 A study in the organizational skills needed to document and manage a theatre or dance production from audition to final performance. May be repeated once for a total of six credits.
- THTR 258**
FUNDAMENTALS OF STAGE LIGHTING 3.0
 The functions of light on stage; the use of lighting equipment. Application work in the Memorial Auditorium and L. Howard Fox Studio Theatre.
Prerequisites: THTR 245.
- THTR 260**
DRAWING AND RENDERING II: THEATRE 3.0
 Advanced drawing and rendering for theatrical stage design. Includes work with color, the human figure and perspective as well as work with ink.
Prerequisite: THTR 160.
- THTR 265**
THE CONTEMPORARY THEATRE OF CULTURAL DIVERSITY 3.0
 The course examines multicultural issues raised in the plays of contemporary American playwrights. Relevant theatre attendance is part of the class requirement. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Fine and Performing Arts: Art Appreciation. Meets the Multicultural Awareness Requirement.
- THTR 278**
STAGE MAKE-UP 3.0
 Appreciation of make-up through symbolic aspects and historic differences with regard to theatrical productions. Make-up materials and their uses; creating corrective and character make-up, mustaches and beards for a research or creative experience to compile a practical resource file.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors, or Theatre minors only.
- THTR 322**
ACTING V - B.F.A.: STYLES 3.0
 Scenes from plays of various periods; studying the manners and mores and theatrical conventions of each selected period in order to create a heightened reality when approaching period scene work.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 323**
ACTING VI: ACTING FOR TELEVISION 3.0
 This course is designed to continue the study and development of the acting technique established in Acting I-V and to train actors to transfer these skills to the medium of television. Students will rehearse scenes taken from a wide range of material and commit them to videotape. They will learn how to make appropriate acting choices when playing in front of the camera and to deal with the problems faced by the actor in most TV/film production situations.
Prerequisite: B.F.A. in Theatre, Acting concentration students only.
- THTR 324**
ACTING VII - B.F.A.: PROFESSIONAL AUDITIONS 3.0
 The business side of acting; auditions, pictures and resumes, agents, and showcases. Students work on finding and preparing appropriate monologues for professional auditions.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
- THTR 325**
VOICE FOR THE PERFORMER-III 3.0
 Advanced study in the voice skills necessary for performance in a professional setting. Intensive work in voice production and vocal development necessary to develop selected performance styles and techniques.
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

- THTR 330**
PLAY DIRECTION I 3.0
 Principles of direction; selection and casting; exercises in composition and movement; scenes directed for class criticism; preparation of prompt book.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 338**
MUSICAL THEATRE II 3.0
 This course explores the role of the singing actor, including characterization and performance skills. It examines the functions of music, lyrics, and script, and how they are integrated into one dramatic effort. It addresses the differences in styles between older presentational musicals and newer musical dramas.
Prerequisite: THTR 105 or 115.
- THTR 345**
SCENE DESIGN II 3.0
 A continuation of *Stage Design I* with emphasis upon specific forms of drama as well as opera and musical comedy. Includes the use of color with ink, acrylic and pastel.
Prerequisite: THTR 252.
- THTR 350**
TECHNICAL DIRECTION 3.0
 An in-depth study of technical direction production and direction. Areas of study include production budgeting, planning and scheduling, and production studio design. The course will include laboratory and production experience.
Prerequisite: THTR 150.
- THTR 352**
SCENE PAINTING 3.0
 The theory and practice of the general techniques of the scenic artist and the methods and materials used in this discipline.
Prerequisites: THTR 160 and B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 354**
REPAIR AND MAINTENANCE OF THEATRICAL EQUIPMENT 3.0
 Practical study in the repair and maintenance of theatre equipment, including machines, lights, and tools.
Prerequisite: THTR 150.
- THTR 361**
B.A. THEATRE WORKSHOP 3.0
 This course explores a variety of dramatic material for performance potential. It melds performance and directing with the study of literature and aspects of playwriting to create a dynamic theatrical experience that draws on students' theoretical background as well as performance skills.
Prerequisites: THTR 208 and B.A. in Theatre Studies majors only.
- THTR 362**
STAGE DIALECTS 3.0
 Lecture and laboratory demonstration on sound substitutions, rhythms, and inflectional patterns used in creating effective stage dialects. Performance in standard British, Cockney, Irish, Scottish, French, Italian, German, and Spanish dialects.
- THTR 366**
STAGE TECHNIQUE: COMBAT 3.0
 Stage use of sword-play, hand-to-hand combat and combat choreography with broadsword, epee, cudgel and staff among others.
Prerequisite: THTR 105 or 115.
- THTR 370**
COSTUME CONSTRUCTION I 3.0
 Studies the practical function of the costume shop and the techniques and crafts used in the execution of costumes for the stage. Production work is included with discussions of pattern and fitting techniques.
- THTR 371**
HISTORY OF COSTUMES: PRIMITIVE-MODERN 3.0
 The evolution of costume and the development of tailoring; social, economic and political influences on silhouette and ornamentation, from the Primitive to the Modern eras.
- THTR 372**
COSTUME DESIGN I 3.0
 A study of basic costume design for the stage, emphasizing the interpretation of dramatic texts in terms of characterization. Basic figure drawing and fabric study are included and the collaborative process which translates ideas to finished design will be explored.
Prerequisite: THTR 371.
- THTR 385**
PRODUCTION MANAGEMENT 2.0
 Study and compare aspects related to the management of theatrical productions in professional and educational theatre. The course will cover resource management, budget planning and tracking, labor union rules and regulations.
- THTR 391**
PLAYWRITING 3.0
 The creation of an original script suitable for production. The cause to effect play will be investigated as well as newer trends in theatre. Investigation of marketing possibilities, and the preparation of scripts for submission. Students should have a background in the technique and artistic aspects of the theatre.
Prerequisite: THTR 208 or departmental approval.
- THTR 403**
INDEPENDENT STUDY 1.0-3.0
 Proposals must be submitted for departmental approval prior to registration for the course.
Prerequisite: Departmental approval.
- THTR 407**
INTERNSHIP: PRODUCTION/DESIGN 4.0-12.0
 Practical experience as a member of a professional, semi-professional or educational theatre on- or off-campus. Work as a technician or as an assistant to the designer or producer.
Prerequisite: Departmental approval.
- THTR 410**
SENIOR PROJECT: B.A. THEATRE 3.0
 This course is the capstone for the BA in Theatre Studies. Final projects with a written and practical component will be devised individually by the student and the faculty in the student's area of concentration.
Prerequisite: THTR 411.
- THTR 411**
DRAMATIC CRITICISM 3.0
 Dramatic principles of theme, content, and characterization as they relate to production and performance; evaluation and analysis of the basic ingredients of dramatic criticism as related to the critic, the director, the scenic artist and the performer.
Prerequisite: THTR 361.
- THTR 430**
PLAY DIRECTION II 3.0
 Advanced play direction with emphasis on the director's analysis of the script and working with performers; participants will direct a scene and a one act play.
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.
- THTR 432**
SPECIAL TOPICS IN THEATRE 1.0-3.0
 A selected aspect of theatrical theory and/or practice not included in the regular departmental offerings will be explored in depth. May be repeated for a total of six semester hours.
- THTR 433**
SHAKESPEARE WORKSHOP 3.0
 Analysis and performance of scenes from Shakespearean histories, comedies, and tragedies.
Prerequisite: THTR 322 or departmental approval.

THTR 435

DRAMATIC WORKSHOP

3.0

An advanced course combining students as actors or directors engaged in research and performance of classical and contemporary styles of theatre in a "works-in-progress" atmosphere. Material will be drawn from the full spectrum of theatre.

Prerequisite: B.A. in Theatre Studies majors or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.

THTR 440

SENIOR PROJECT: PRODUCTION/DESIGN

3.0

Topics for investigation in the area of production and design.

Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 450

THEATRICAL SOUND

3.0

Theatrical uses of sound in production approaches to theatre. Primary focus on the role sound plays in enhancing theatrical design and production.

Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 458

ADVANCED LIGHTING

3.0

Advanced lighting skills in theatre and the related areas of dance, opera and the musical comedy.

Prerequisite: THTR 258.

THTR 475

COSTUME DESIGN II

3.0

Continues the theories and skills introduced in Costume Design I. Advanced rendering techniques are explored as well as specific design problems related to opera, ballet, and other non-naturalistic theatrical forms.

Prerequisite: THTR 470.

THTR 490

INTERNSHIP IN THEATRE

4.0-16.0

Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in an active, successful theatre, dance, speech or media center program. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration. Credit by arrangement.

Prerequisite: Departmental approval.

THTR 495

THESIS (SENIOR)

3.0

Senior project in an area of student's primary field of specialization; theatre history, dramatic literature, criticism or performance theory. Requires intensive research project demonstrating the student's ability to apply the theories and principles revealed by his project to performance or production.

Women's Studies Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Director: Sally McWilliams

The Women's Studies major is an interdisciplinary academic program that provides students with a knowledge of the history and evolution of feminist theory and practice. It imparts to students an understanding of the feminist debates that take place in a multitude of disciplines and the role that these play in broadening and restructuring other disciplines. The program situates Women's Studies within a cross-cultural context and enhances students' awareness of issues affecting women in different cultural, religious, ethnic, economic, and class settings. Women's Studies empowers students to participate in transforming repressive cultural and political practices and to use their knowledge to create a personal and communal agenda aimed at social change.

The Women's Studies major prepares students for postgraduate education in Women's Studies and for careers in fields related to social services, education, psychology, communications and the media, the arts, law, health professions and community action work.

Women's Studies Major

Required Core Courses (12 semester hours)

	Semester Hours
WMST/PSYC 102 Women's Worlds	3
WMST 301 Feminist Theory	3
WMST 302 Selected Topics in Women's Studies	3
WMST 402 Seminar in Women's Studies	3

Electives (21 semester hours)

Students will select 7 courses from among the Women's Studies offerings with no more than 3 courses from any one department. At least 5 of the courses must be at the 200 level or above. Students may choose from among the courses listed under Women's Studies in the Schedule of Courses booklet. Students may repeat the Selected Topics course twice as an elective, in addition to taking it as a requirement.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the major only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Anthropology

ANTH 380 Anthropology of Women

Classics and General Humanities

GNHU 383 Women in Antiquity

Counseling, Human Development and Educational Leadership

COUN 481 The Legal Rights of Women

Economics

ECON 250 Selected Topics in Economics*

Educational Foundations

EDFD 264 Sexism in American Education

English

ENGL 250 Special Topics in English or American Literature*

ENGL 294 Women Poets

ENGL 301 The Novels of Toni Morrison

ENGL 493 Seminar in American Literature*

ENLT 372 Women Prose Writers

ENLT 472 Seminar: Images of Muslim Women in

Twentieth Century Literature and Culture

ENLT 492 Seminar in Comparative Literature*

Fine Arts

ARHS 108 Women in Art

French, German, and Russian

GRIN 297 Women in Russian Literature

History

HIST 215 Women in American History

HIST 309 Feminist Ideas in Western Thought

HIST 334 Women in the Muslim World: A History of Representation

Human Ecology

HECO 205 Women in Contemporary Society

Latin American and Latino Studies

LALS 205 Images and Identity: Representation of
Latin American Women in Fiction and Film

Legal Studies

LSLW 391 Women and the Law

Linguistics

LNGN 255 Language and Gender

Music

MUHS 404 Selected Topics in Music History*

Philosophy and Religion

RELG 104 Feminist Theology and Spirituality

RELG 207 Religious Texts in America: Women

RELG 267 Women in Religion

Political Science

POLS 214 Women in Politics

Psychology

PSYC 265 Psychology of Women

Sociology

SOCI 413 Selected Topic in Institutional Processes*

SOCI 414 Selected Topics in Applied Sociology*

SOCI 426 Sociology of Sexuality

SOCI 430 Sociology of Gender

Women's Studies

WMST 302 Selected Topics in Women's Studies

WMST 401 Independent Study

Women's Studies Minor

Director: Sally McWilliams

The Women's Studies minor program is an interdisciplinary academic program. The minor includes two required three credit core courses: an introductory interdisciplinary course, and a course in feminist theory. Flexibility of choice of the other 12 credits from courses in various academic departments permits a student either to get a broad perspective of women's studies or to specialize in an area such as women in literature or women in society. Each student should consult with the Director of the Women's Studies program to work out a suitable course of studies to meet the minor requirements. The Women's Studies minor consists of 18 credits.

Required Courses (6 semester hours)

	Semester Hours
WMST 102/PSYC 102 Women's Worlds	3
WMST 301 Feminist Theory	3

Electives (12 semester hours)

Select four three credit courses from the following interdepartmental list to complete the eighteen required semester hours.

Note: With departmental approval up to 2 graduate courses at the 500 level may be substituted.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the major only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Anthropology

ANTH 380 Anthropology of Women

Classics and General Humanities

GNHU383 Women in Antiquity

Counseling, Human Development and Educational Leadership

COUN 481 The Legal Rights of Women

Economics

ECON 250 Selected Topics in Economics*

Educational Foundations

EDFD 264 Sexism in American Education

English

ENGL 250 Special Topics in English or American Literature*

ENGL 294 Women Poets

ENGL 301 The Novels of Toni Morrison

ENGL 493 Seminar in American Literature*

ENLT 372 Women Prose Writers

ENLT 472	Seminar: Images of Muslim Women in Twentieth Century Literature and Culture	3
ENLT 492	Seminar in Comparative Literature*	3
Fine Arts		
ARHS 108	Women in Art	3
French, German, and Russian		
GRIN 297	Women in Russian Literature	3
History		
HIST 215	Women in American History	3
HIST 309	Feminist Ideas in Western Thought	3
HIST 334	Women in the Muslim World: A History of Representation ..	3
Human Ecology		
HECO 205	Women in Contemporary Society	3
Latin American and Latino Studies		
LALS 205	Images and Identity: Representation of Latin American Women in Fiction and Film	3
Legal Studies		
LSLW 391	Women and the Law	3
Linguistics		
LNGN 255	Language and Gender	3
Music		
MUHS 404	Selected Topics in Music History*	3
Philosophy and Religion		
RELG 104	Feminist Theology and Spirituality	3
RELG 207	Religious Texts in America: Women	3
RELG 267	Women in Religion	3
Political Science		
POLS 214	Women in Politics	3
Psychology		
PSYC 265	Psychology of Women	3
Sociology		
SOCI 413	Selected Topic in Institutional Processes*	3
SOCI 414	Selected Topics in Applied Sociology*	3
SOCI 426	Sociology of Sexuality	3
SOCI 430	Sociology of Gender	3
Women's Studies		
WMST 302	Selected Topics: Women's Studies	3
WMST 401	Independent Study	3
WMST 402	Seminar in Women's Studies	3

Courses of Instruction

- WMST 101**
INTRODUCTION TO WOMEN'S STUDIES 3.0
 A team of two or more faculty members from various disciplines, employing scientific, sociological, historical, and artistic insights, methods and data examines the sources and meanings of different treatments of women in this and other human societies.
- WMST 102**
WOMEN'S WORLDS 3.0
 This course introduces the student to the broad and interdisciplinary field known as Women's Studies. It is designed to make students aware of the new discoveries in feminist research and to focus on many aspects of the female experience. The course is designed to help students understand different methodologies in diverse disciplines and to treat areas such as literature, history, psychology, and the arts through a thematic approach. Cross listed in Psychology under PSYC 102. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.
- WMST 301**
FEMINIST THEORY 3.0
 This course examines a wide variety of feminist theories which illustrate the many ways in which issues of gender can be interpreted. Recognizing that gendered identities are molded by such factors as class, race, sexual orientation, and national identity, this course explores the issues of difference among women and the role of theory in conceptualizing such differences.
Prerequisite: WMST 102 or PSYC 102.
- WMST 302**
SELECTED TOPICS IN WOMEN'S STUDIES 3.0
 The exploration of a topic related to Women's Studies which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in an existing course. The specific topic will be announced each time the course is offered. May be repeated twice for a total of nine semester hours.
Prerequisite: WMST 102 or PSYC 102.
- WMST 401**
INDEPENDENT STUDY 3.0
 This course involves advanced research on a topic of particular interest to the student that goes beyond the scope of available courses in Women's Studies. Students are required to hand in an extensive paper documenting the results of their research.
Prerequisite: WMST 102 or PSYC 102 and departmental approval.
- WMST 402**
SEMINAR IN WOMEN'S STUDIES 3.0
 Each participant completes an individual project that is either (a) research on an approved topic or (b) a description and analysis of a long-term field experience. With a faculty facilitator, students discuss research strategies, issues, and work in progress. Meets the University Writing Requirement for WMST majors.
Prerequisites: WMST 102 or PSYC 102 and WMST 301 and 9 additional hours in Women's Studies program. Junior standing.



INTERDISCIPLINARY MINORS

Montclair State University offers several interdisciplinary minors. An interdisciplinary minor provides students with the opportunity to investigate an area of interest from a number of perspectives. In some cases, interdisciplinary minors draw on a broad range of courses from several departments, as with African-American Studies and International Studies. In other cases, these programs build their curriculum from a specific set of departments, as with Archaeology, Cognitive Science, Criminal Justice, Film, and Latin American and Latino Studies.

In all cases, interdisciplinary programs provide students with a rich learning experience that draws on the strengths of more than one discipline. Students may complement their major with one of the interdisciplinary minors listed below. For interdisciplinary majors, see entries for General Humanities, Justice Studies, and Women's Studies major and minor (listed in the table of contents under the alphabetic listing of Academic Programs and Departments).

African-American Studies Minor (18 semester hours)

Director: Sandra Y. Lewis

The undergraduate minor in African-American studies is an interdisciplinary academic program designed to be complementary to any of the undergraduate majors of Montclair State. The African-American and African syntheses within the context of African, American and European culture are presented with their transcultural, interethnic and intellectual traditions-providing an appreciation of the heritage, arts, sciences and values on non-European and non-Euro-American groups. The African-American Studies program will also provide for Black students a greater knowledge of self, self-respect and self-esteem. African-American Studies for other students will build knowledge and awareness of African-American history, African-American culture and African-American people. Students who are interested in completing the requirements of the minor are urged to consult with the director about their programs.

Effective Fall 2003: AFAM 100 *Introduction to Black Studies* will become a required course and RELG 106 *African Religious Traditions* will be added to the list of electives in the African-American Studies minor. This alteration increases the number of required semester hours in the program to nine semester hours and decreases the number of elective semester hours to six semester hours.

Required Courses (9 semester hours)

	Semester Hours
AFAM 100 Introduction to Black Studies	3
Select one of the following:	
HIST 108 Introduction to African Civilization	3
HIST 217 History of Black Americans	3
Select one of the following:	
PSYC 246 Psychology of the Black Experience	3
SOCI 202 Racial and Ethnic Relations	3

Electives (9 semester hours)

Select 9 semester hours from the following interdepartmental list:

Anthropology	
ANTH 170 Peoples of Africa	3
Classics and General Humanities	
GNHU 381 Africa in Classical Antiquity	3
Earth and Environmental Studies	
EUGS 412 Geography of Sub-Sahara Africa	3
Economics and Finance	
ECON 250 Selected Topics in Economics	3
(When topic is: Marketing Processes and Minorities)	
ECON 405 Economic Development of Sub-Saharan Africa	3

English

ENGL 238 Black Writers in the United States: A Survey	3
ENGL 493 Seminar in American Literature	3
(When topic is: Richard Wright and Contemporaries)	
ENLT 366 African Myth and Literature	3

Fine Arts

ARHS 275 Afro-American Art	3
ARHS 458 African Art: Sub-Saharan	3

History

HIST 108 Introduction to African Civilization	3
HIST 217 History of Black Americans	3

Human Ecology

HEFM 445 The Inner City Family	3
--------------------------------------	---

Management

MGMT 332 Minorities in Business	3
---------------------------------------	---

Music

MUGN 150 Influence of Afro-American Culture on Music	3
MUGN 209 Introduction to Jazz	3
MUGN 250 Rap and Rock as Cultural Phenomena	3

Philosophy and Religion

RELG 106 African Religious Traditions	3
RELG 108 African American Religious Experience	3
RELG 350 Selected Study in World Religions	3
(When topic is: Religions of Africa)	
RELG 352 Selected Study in Religious Texts	3
(When topic is: African American Religious Leaders)	

Political Science

POLS 204 Government and Politics of Africa	3
POLS 312 Black Politics in America	3

Psychology

PSYC 246 Psychology of the Black Experience	3
---	---

Sociology

SOCI 202 Racial and Ethnic Relations	3
SOCI 205 Black Family	3
SOCI 311 Urban Sociology	3

Theatre and Dance

DNCE 345 Dance Technique: Ethnic	3
--	---

Course of Instruction

AFAM 100

INTRODUCTION TO BLACK STUDIES 3.0

This course is designed: (1) to introduce and define the origins, relevance and scope of Black Studies and to discuss critically major challenges facing Black Studies; (2) to introduce and to delineate fundamental issues and areas for critical discussion in the discipline and the seven core areas of Black Studies (Black History, Black Religion, Black Social Organization, Black Politics, Black Economics, Black Creative Production, Black Psychology), as well as the emergence and development of Afrocentricity, Black Women's Studies, Multicultural Studies, and Classical African Studies; and (3) to raise provocative questions about the Black experience which cultivate the use of and an appreciation for inquiry and analysis as indispensable tools to an effective grasp and critical discussion of Black Studies.

AFAM 207

THE BLACK WOMAN: AN INTRODUCTORY COURSE 3.0

This interdisciplinary course examines the lived experiences and contributions of women of African descent through analysis of social context and a variety of theoretical perspectives. The myths and realities of Black women's experiences are explored chronologically and through literary contributions, social and political thought, and creative expression such as music and other media.

Archaeology Minor (18 semester hours)

Coordinator: Timothy Renner

Jointly sponsored by the Anthropology, Classics and General Humanities, and Fine Arts departments, together with support from Earth and Environmental Studies, this program offers an interdisciplinary program in the study of ancient and other past cultures through the evidence of their material remains. The required coursework of the minor includes an overview of ancient cultures, archaeological procedures, and archaeological theory. Students are also encouraged to take course work in appropriate foreign languages and in those aspects of the natural and social sciences which aid in studying the material remains of cultures and in integrating this evidence into a broader understanding of human society.

Through programs sponsored by the University's Center for Archaeological Studies, students have numerous excellent opportunities to participate in fieldwork as part of their coursework and/or preprofessional experience in archaeology. Currently, for instance, it is possible for students to develop basic fieldwork skills in surveying, excavating, mapping, and artifact analysis through projects directly run by the Center in northern New Jersey (for prehistoric and historical North American archaeology) and in Central America (for Maya culture). Students may also participate in archaeological fieldwork projects in the Mediterranean and in other regions, and they may develop expertise in geoarchaeology by working with faculty from the Department of Earth and Environmental Studies.

The Archaeology minor makes an excellent complement to any liberal arts or professional studies major. But more specifically, archaeology has recently become a subject of great interest to many people in the public at large, and students who go on to work in the media, in the travel industry, and in international business (to name only a few examples) can profit greatly from studying it. In addition, the need for archaeological impact studies for construction and historic preservation projects has created many new opportunities in applied archaeology, especially for students who also study anthropology and/or go on to graduate work in archaeology. Lastly, students who wish to do graduate work in archaeology in preparation for a career in teaching, research, or museum work will find the Archaeology minor to be excellent preparation, especially when combined with a major in an appropriate related area such as Anthropology, Classics, or Art History.

Required Courses (6 semester hours)

	Semester Hours
ANTH 103 Prehistoric Archaeology	3
GNHU 181 Introduction to Classical Archaeology	3

Electives (12 semester hours)

Group A (Select at least one): 12
Fine Arts

ARHS 215 Ancient Art	3
ARHS 328 Survey of Greek Art	3
ARHS 457 Pre-Columbian, Oceanic, and African Art	3
ARHS 485 Ancient Art in Italy: Etruscan and Roman Art	3

Group B (Select one to three):

Anthropology

ANTH 270 Archaeology of Ancient Middle America	3
ANTH 370 Experimental Archaeology	3
ANTH 470 Archaeological Field Methods	3-6
ANTH 490 Internship in Anthropology	3-6

Classics and General Humanities

GNHU 281 Greek Civilization	3
GNHU 282 Roman Civilization	3
GNHU 351 The City in Antiquity	3
GNHU 361 Selected Topics in Mediterranean Archaeology	3
GNHU 362 Field Methods in Mediterranean Archaeology	3

Cognitive Science Minor

Coordinator: David J. Townsend

Cognitive Science is the interdisciplinary study of mind and intelligence. It uses the methods of computer science, linguistics, communication sciences, philosophy, and psychology to examine how the mind carries out intelligent behaviors such as:

- Understanding
- Speaking
- Planning
- Creating
- Reasoning
- Problem solving

The Cognitive Science minor addresses such questions as:

- What is consciousness?
- How did intelligence originate?
- How are languages stored in the brain?
- Can a computer that carries out a conversation with a human think and feel?

The Minor in Cognitive Science provides excellent preparation for graduate programs in Cognitive Science, Psychology, Linguistics, Philosophy and Religion, and Communication Sciences and Disorders.

Changes in the minor are in progress and can be checked at www.chss.montclair.edu/psychology/cogscience.

Required Courses (11 semester hours)

	Semester Hours
PSYC 220 Quantitative Methods in Psychology	4
PSYC 290 Introduction to Cognitive Science	3
PSYC 301 Experimental Psychology	4

Electives (9 semester hours)

Students select three courses from outside their major. Electives must be from at least two departments. No more than one Psychology elective course counts toward the minor.

Computer Science

CMPT 183 Foundations of Computer Science I	3
CMPT 184 Foundations of Computer Science II	3
CMPT 280 Assembly Language and Computer Architecture	3
CMPT 285 Discrete Mathematical Structures	3
CMPT 287 Data Structures, File Structures and Algorithms	3
CMPT 384 Systems Software	3
CMPT 388 Foundations of Artificial Intelligence	3

Linguistics

LNGN 300 Syntax	3
LNGN 301 Semantics	3
LNGN 302 Pragmatics	3
LNGN 420 Language and Mind	3
LNGN 445 Natural Language Processing	3

Philosophy and Religion

PHIL 266 Philosophy of Science	3
PHIL 270 Philosophy of the Mind	3

Psychology

PSYC 305 Physiological Psychology	3
PSYC 308 Perception	3
PSYC 313 Cognition	3
PSYC 314 Psychology of Judgment and Decision Making	3
PSYC 340 Human Learning and Memory	3
PSYC 348 Psycholinguistics	3
PSYC 490 Seminar in Cognitive Science	3

Communication Sciences and Disorders

CSND 410 Neuro-psychological Bases of Communication	3
CSND 500 Speech and Language Acquisition	3

Criminal Justice Minor

Coordinator: David J. Dodd

This interdisciplinary minor offers students the opportunity to prepare for work in the Criminal Justice field. It is designed to provide students with the concepts and research methods needed for a successful career in criminal justice agencies and for graduate work in criminology and criminal justice. A minor in Criminal Justice is useful preparation for a career in police work, corrections, probation, parole, youth work, counselling, public and social service administration.

Required Courses (18 semester hours)

	Semester Hours
SOCI 101 Criminology	3
SOCI 232 Introduction to Criminal Justice	3
SOCI 322 Juvenile Delinquency and Juvenile Justice	3
SOCI 325 The Sociology of Police	3
SOCI 353 Sociology of Corrections	3
LSPR 301 Criminal Law and Procedure	3

Electives (6-7 semester hours)

Two electives to be chosen from among the following (6-7 semester hours):

Anthropology	
ANTH 230 Anthropology of Conflict and Violence	3
OR	
SOCI 230 Sociology of Conflict and Violence	3
Justice Studies	
JUST 240 Statistics for Social Research	4
Legal Studies	
LSPR 317 Evidence	3
Political Science	
POLS 323 American Constitutional Law: Civil Rights and Liberties	3
OR	
LSLW 360 Rights, Liberties and American Justice (Legal Studies)	3
Psychology	
PSYC 231 Psychology of Aggression	3
PSYC 248 Psychology and Law	3
PSYC 330 Forensic Psychology	3
PSYC 365 Abnormal Psychology	3
Sociology	
SOCI 203 Sociology of Organized Crime	3
SOCI 238 Research Methods in Criminal Justice	3
SOCI 240 Statistics for Social Research	4
SOCI 321 White Collar Crime	3
SOCI 405 Deviance and Social Control	3
SOCI 420 Sociology of Law	3

Total number of semester hours: 24-25

Note: For students who prefer to include the study of Criminal Justice within their major, the university now offers a Justice Studies major with a concentration in Justice Systems. This program focuses on issues of justice from a multi-disciplinary perspective, incorporating Sociology, Legal Studies, and Psychology.

Film Minor

Film Minor
Coordinator:
Janet Cutler

Film Production
Coordinator:
Anthony Pemberton

An interdisciplinary program, designed for students in both the humanities and the fine arts, the Film Minor offers experience in filmmaking, as well as criticism, history, theory, and aesthetics.

Required Courses (6 semester hours)

ARFM 200 Film Making, Beginning I	3
ENFL 208 Introduction to the Film	3

Electives

Survey Courses (6 semester hours)

Students must select two of the following:

English

ENFL 250 Major Film Directors	3
ENFL 255 World Film	3
ENFL 260 Major Film Genres	3

Fine Arts

ARFM 210 Film Making, Beginning II	3
--	---

Specialized Courses (6 semester hours)

Students must select two of the following:

Classics and General Humanities

GNHU 286 French Film	3
----------------------------	---

English

ENFL 310 Screenwriting I	3
ENFL 350 Three Directors	3
ENFL 356 The Contemporary Film	3
ENFL 357 American Film to 1945	3
ENFL 358 American Film 1945 to the Present	3
ENFL 360 Film Comedy	3
ENFL 410 Screenwriting II	3
ENFL 490 Special Topics in Film Studies	3
ENFL 496 Seminar on Film	3

Fine Arts

ARFV 220 Video with Computer Multi-media, Introduction A	3
ARFM 280 Film as Art: Historical and Contemporary	3
ARFM 300 Film Making, Intermediate	3
ARFM 400 Film Making, Advanced	3

French, German, and Russian

FRIN 286 French Film	3
----------------------------	---

Spanish/Italian

ITAL 276 The Italian Cinema	3
-----------------------------------	---

International Studies Minor

(21 Semester Hours)

Director: Benjamin Hadis

The purpose of this interdisciplinary minor is to provide students with an education that broadens their knowledge of the people of the world, international events, and the socio-economic and socio-political background to global affairs. To do this, it integrates area studies and the study of international problems viewed from a cross disciplinary perspective. New curricular efforts, including global perspectives in issues-oriented courses, are emphasized.

This minor provides a splendid foundation for careers in which an understanding of international economic, political, social, and cultural affairs is of importance; it also provides a foundation for graduate work in the field; and is an excellent complement to majors in the humanities, social sciences, arts and business.

Required Courses (6 semester hours)

Basic Core Requirements		Semester Hours
INTL 100	Introduction to Global Issues	3
INTL 400	Integrative Seminar in International Studies	3

Language Component (3 semester hours)

In addition to the six hours of an international language required by the university's General Education curriculum, students must take at least three additional semester hours in the same language. Students who demonstrate advanced level competency will be waived from this requirement.

Electives (12 semester hours)

Select twelve semester hours from the following list which may also be obtained from the director of the program or at:

www.chss.montclair.edu/~hadisb/minor.htm

These electives will include six semester hours in Area Studies courses that focus on the same regional area of studies: Africa, Asia, Europe, Latin America and Caribbean, or the Middle East. Three of these semester hours must be in Culture and Artistic Expression; and three semester hours in Area Studies courses must be taken in Social and Political Structures; and three semester hours each in Global Issues courses and three semester hours in courses with international focus.

All elective courses retain their prerequisites, corequisites, and restrictions (as applicable). Only the departments offering a course can issue exemptions from its corresponding restrictions or prerequisites. No more than six credits can be taken as electives from one alpha course code.

AREA STUDIES COURSES: Culture and Artistic Expression (3 semester hours)

Anthropology	
ANTH 115	Cultures of the Middle East
ANTH 130	Cultures of Southeast Asia
ANTH 150	Native Latin Americans
ANTH 170	Peoples of Africa
Art and Design	
ARHS 327	History of Oriental Art
ARHS 328	Survey of Greek Art
ARHS 452	Renaissance Art in Italy: The Sixteenth Century
ARHS 458	African Art: Sub-Saharan
Classics and General Humanities	
GNHU 217	Reading Asian Cultures
GNHU 289	Francophone Film
GNHU 293	Russian Culture and Civilization
English	
ENLT 349	Contemporary Irish Literature
ENLT 367	Contemporary African Literature
French, German, and Russian	
FREN 145	Introduction to French Culture
FRIN 145	Introduction to French Culture
FREN 286	French Film
FREN 289	Francophone Film
FREN 304	French Civilization 19th and 20th Centuries
FREN 340	Survey of French Poetry
FREN 349	Francophone Literature
FREN 360	French Perspectives
FREN 375	French Study Abroad
GERM 351	German Civilization I

GERM 360	Modern German Prose Fiction
GRIN 250	Selected Topics in German Literature and Culture
GRIN 260	Selected Topics in German or Russian Culture and Civilization
GRIN 293	Russian Culture and Civilization
GRIN 295	German Expressionism
GRIN 297	Women in Russian Literature

Latin American and Latino Studies

LALS 201	Perspectives on Latin America
LALS 205	Image and Identity: Representation of Latin American Women in Film and Fiction

Philosophy and Religion

PHIL 237	Asian Philosophy
RELG 106	African Religious Traditions
RELG 213	Buddhism
RELG 214	Classical Texts of Asian Religions
RELG 215	Hinduism
RELG 216	Islamic Religious Traditions
RELG 217	Taoism
RELG 256	Religion in Latin America
RELG 273	The Holocaust: Religious Perspectives

Spanish/Italian

ITAL 276	The Italian Cinema
ITAL 281	Contemporary Italian Cultural Studies
ITAL 351	Italian Literature of 20th Century I
ITAL 352	Italian Literature of 20th Century II
ITAL 360	Italian Cultural History
SPAN 441	Spanish Novel of the 20th Century
SPAN 446	Spanish American Essayists
SPAN 447	Contemporary Spanish American Short Story

AREA STUDIES COURSES: Social and Political Structure (3 semester hours)

Earth and Environmental Studies

EUGS 207	Geography East and Southeast Asia
EUGS 208	Land and Life in Latin America
EUGS 412	Geography of the Sub-Sahara Africa
EUGS 413	Geography of the Middle East

Economics and Finance

ECON 405	Economic Development of Sub-Saharan Africa
----------	--

History

HIST 105	Emergence of European Civilization, 1500-1914
HIST 106	Contemporary Europe, 1914 to the Present
HIST 108	Introduction to African Civilization
HIST 109	Introduction to Islamic Civilization
HIST 114	Early Latin American Civilization
HIST 115	History of Puerto Rico
HIST 128	Pre-Modern Japan: A History of Japan to the Meiji Restoration
HIST 129	Modern Japan: A History of Japan from the Meiji through the Showa
HIST 131	Introduction to Indian Civilization
HIST 132	Introduction to Chinese Civilization
HIST 133	Modern Chinese Civilization
HIST 222	Economic History of Europe
HIST 223	Communist Revolution in China
HIST 323	History of Russia to 1917
HIST 324	Russia Since 1917
HIST 326	Modern German History
HIST 328	Conflict in Modern Ireland
HIST 330	Chinese Social History through Literature
HIST 331	History of England, 1714-1914
HIST 332	Medieval European Civilization
HIST 333	History of Brazil
HIST 334	Women in Muslim World
HIST 416	Church and State in Latin America
HIST 426	The Nazi Third Reich
HIST 427	The Holocaust 1939-1945
HIST 430	Revolutions in Latin American History
HIST 431	Development of Indian Character and Culture
HIST 432	Development of Japanese Character and Culture

Political Science

POLS 204	Government and Politics of Africa
POLS 206	Government and Politics of China and Japan
POLS 316	Contemporary Western European Politics
POLS 404	Government and Politics of India and South Asia

POLS 405	Government and Politics of Latin America	3
POLS 406	Government and Politics of the Middle East	3
POLS 407	Government and Politics in the Post-Soviet States	3
POLS 412	Government and Politics in the East European States	3
GLOBAL ISSUES COURSES (3 semester hours)		
Accounting, Law and Taxation		
BSLW 264	Legal, Ethical and Global Environment of Business	3
Anthropology		
ANTH 140	Non-Western Contributions to the Western World	33
Broadcasting		
BDCS 391	International Broadcasting	3
Biology		
BIOL 300	Environmental Biology and Related Controversial Issues	3
Earth and Environmental Studies		
ENVR 109	The Human Environment	3
EUGS 100	Principles of Geography	
OR		
GEOS 107	Planet Earth	3
EUGS 102	World Geography	3
EUGS 300	World Resources and Industries	3
GEOS 125	Earth and the Environment	3
Economics and Finance		
ECON 300	World Resources and Industries	3
ECON 303	Economic Growth and Development	3
ECON 403	Comparative Economic Systems	3
English		
ENFL 255	World Film	3
ENLT 206	World Literature: The Coming of Age Theme	3
ENLT 207	World Literature: Voices of Tradition and Challenge	3
ENLT 316	African, Asian and Caribbean Literature in English	3
History		
HIST 141	Foundations of Global Civilization	3
Linguistics		
LNGN 240	Languages of the World	3
Music		
MUGN 160	Introduction to Music in World Cultures	3
Philosophy and Religion		
RELG 100	Religions of the World	3
RELG 225	Religion and Social Change	3
RELG 350	Selected Study in World Religions	3
RELG 460	Seminar in World Religions	3
Sociology		
SOCI 218	Sociology of Population	3
SOCI 219	Sociology of Aging	3
SOCI 220	Sociology of Rich and Poor Nations	3
SOCI 312	Environmental Sociology	3
INTERNATIONAL FOCUS (3 semester hours)		
Anthropology		
ANTH 100	Cultural Anthropology	3
Art and Design		
ARHS 220	Art in Non-Western Societies	3
ARHS 325	Seventeenth and Eighteenth Century Art	3
Classics and General Humanities		
GNHU 384	Introduction to Roman Law	3
Earth and Environmental Studies		
EUGS 101	Human Geography	3
EUGS 462	People and Cities: Comparative Urban Studies	3
Economics and Finance		
ECON 402	International Economics	3
FINC 327	International Financial Management	3
English		
ENLT 250	Special Topics in Comparative Literature	3
Linguistics		
LNGN 210	Introduction to General Linguistics	3
LNGN 245	Language and Culture	3
LNGN 370	Comparative and Historical Linguistics	3
Management		
MGMT 336	International Business Management	3
Marketing		
MKTG 346	Introduction to International Business	3
MKTG 349	International Marketing	3
MKTG 440	International Retailing	3

Political Science

POLS 201	Comparative Politics	3
POLS 202	International Relations	3
POLS 203	International Organizations	3
POLS 303	Politics of Development and Modernization	3
POLS 430	International Law	3
Sociology		
SOCI 311	Urban Sociology	3
SOCI 315	Social Stratification	3
SOCI 334	Comparative Social Analysis	3
SOCI 404	Sociology of Religion	3

Courses of Instruction

INTL 100

INTRODUCTION TO GLOBAL ISSUES

3.0

This course is designed to offer students an opportunity to study, in a cross-cultural context, a number of topics which are of a global nature and affect humanity in profound ways and which may influence the evolution of world trends.

INTL 400

INTEGRATIVE SEMINAR IN INTERNATIONAL STUDIES

3.0

Directed research and preparation of seminar reports and written papers on topics which utilize comparative as well as interrelated approaches to international and global issues and themes.

Prerequisites: Program director's approval.

INTL 401

STUDY ABROAD

6.0-12.0

Actual courses of instruction are those offered by institutions taking part in Montclair State's study abroad or student exchange programs. Students participating in the program will select, in advance, the courses by consulting with the study abroad advisor, their academic advisors, and the coordinator of the overseas program at the host institution.

Prerequisites: Study abroad advisor's approval.

Latin American and Latino Studies Minor

Director: Pamela Smorkaloff

The Latin American and Latino Studies Program (LALS) is an interdisciplinary program that allows students to explore the rich heritage and contemporary trends of Latin-based cultures in the United States and beyond.

Many students in the program are heritage speakers of either Spanish or Portuguese. However, anyone able to demonstrate proficiency in Spanish or Portuguese is eligible to become an LALS student. Students may pass a language proficiency test or complete two semesters (six credits) in one of the above languages. The last option meets the General Education Requirement for foreign language. Language study is not counted toward credits for the minor.

Latin American and Latino Studies students greatly benefit from study abroad opportunities, although study abroad is not a requirement. Students interested in taking advantage of this option must make arrangements through MSU's Office of International Studies. Students must work with an LALS advisor to select courses and determine methods of evaluation. As many as four courses from the study abroad experience may be used to complete the LALS minor (again, with the exception of language courses). If the student decides to study abroad, the capstone course for the minor, LALS 401, must be taken after the study abroad experience.

Required Courses (6 semester hours)

	Semester Hours
LALS 201 Perspectives on Latin America	3
LALS 401 Capstone Course in Latin America and Latino Studies	3

Electives (12 semester hours)

Select 12 semester hours (four courses) of electives from the interdepartmental list below. These four elective courses will be completed in at least two different academic departments. Courses will be selected with the help and approval of a program advisor so the selection reflects a cohesive structure that is articulated to the student's major concentration.

Anthropology

ANTH 150 Native Latin Americans3

Earth and Environmental Science

EUGS 208 Land and Life in Latin America3

Economics and Finance

ECON 250 Selected Topics in Economics3

(Topic must be: *Economics of Latin America and the Caribbean*)

History

HIST 114 Early Latin American Civilization3

HIST 115 History of Puerto Rico3

HIST 116 Modern Latin American Civilization3

HIST 333 History of Brazil3

HIST 416 Church and State in Latin America3

HIST 430 Revolutions in Latin American History3

Latin American and Latino Studies

LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction3

Legal Studies

LSPR 316 Skills for Bilingual Legal Personnel3

Philosophy and Religion

RELG 256 Religion in Latin America3

Political Science

POLS 405 Government and Politics of Latin America3

Spanish and Italian (Courses taught in Spanish)

SPAN 376 Spanish American Cultural History3

SPAN 363 Masterpieces of Spanish American Literature I3

SPAN 364 Masterpieces of Spanish American Literature II3

SPAN 447 Contemporary Spanish American Short Story3

SPAN 448 Contemporary Spanish American Poetry3

SPAN 449 The Spanish American Novel3

SPAN 466 Contemporary Spanish American Theater3

SPAN 471 Contemporary Trends in the Spanish American Novel3

SPAN 472 Puerto Rican Literature and Thought3

SPAN 475 Seminar on Hispanic Culture in the United States3

SPAN 481 Field Work in Hispanic Community I3

Courses of Instruction

LALS 201

PERSPECTIVES ON LATIN AMERICA

3.0

A multidisciplinary course: emphasis on anthropological, political, economic, cultural, and historical issues. Assume that the "Americas" are a geographical and cultural unit whose apparent diversity represents various indigenous peoples with an overlay of European patterns of colonialism, including slavery. Meets the Multicultural Awareness Requirement.

LALS 205

IMAGE AND IDENTITY: REPRESENTATION OF LATIN AMERICAN WOMEN IN FILM AND FICTION

3.0

An analysis of representations of Latin American women in film and fiction with a special focus on the process of identity construction. Representations of women from pre-Colombian times to the present will be studied in relation to their use in the perpetuation of ideologies. Intended as an overview of the social history of women in Latin America, the course may be taken as an elective, as part of the Latin American and Latino Studies minor, the Women's Studies major, or the Women's Studies minor. Meets the 1983 General Education Requirement (GER)-Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

LALS 290

SELECTED TOPICS IN LATIN AMERICAN AND LATINO STUDIES

3.0

Study of selected topics and problems in Latin American and Latino Studies. Topics announced each semester.

LALS 401

CAPSTONE COURSE IN LATIN AMERICAN AND LATINO STUDIES

3.0

Involves intensive reading, field work and research that focuses on a specific area of Latin American and Latino Studies. Topic must be selected by the instructor; may be a more advanced and centered treatment of a lower level course.

Prerequisite: LALS 201.



OTHER PROGRAMS

Combined Programs

Bachelor of Science/Doctor of Dental Medicine Degree Programs

Montclair State and the University of Medicine and Dentistry of New Jersey - New Jersey Dental School (UMDNJ-NJDS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Dental Medicine (D.M.D.) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and dental degrees in a seven-year sequence.

This program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study at UMDNJ. Qualified high school seniors and first-year students at Montclair State may apply; admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class, and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores must also be submitted.

A student accepted into this program is assured of a place in the dental school once he or she has successfully completed the requirements of the three-year program at Montclair State and submitted a satisfactory Dental Admissions Test (DAT) score.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the dental program.

The program of study at Montclair State requires the completion of pre-dental and Montclair State graduation requirements. A minimum grade of B in each of the science courses is required. Further, all Montclair State curriculum requirements for graduation must be completed, with a cumulative grade point average of 3.00 or better, in order to continue in the combined program.

Additional information about this program may be obtained from the chairperson of the Department of Biology and Molecular Biology at 973-655-4397.

Bachelor of Science/Doctor of Medicine Degree Programs

Montclair State and the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Medicine (MD) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and medical degrees in a seven-year sequence. An eight-year joint program is also available for students enrolled in the Health Careers Program at Montclair State. Each student accepted into one of these two programs is assured of a place in the medical school upon successful completion of his or her program requirements at Montclair State.

The Seven-Year Program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study in the Medical Education Program at UMDNJ-NJMS. Qualified high school seniors whose SAT combined verbal and mathematical scores are 1400 or higher in one test sitting may apply. Deadline for application is December 1. Admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class (first 10%), and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores of at least 1400 from a single test administration must also be submitted.

All students accepted into the Seven-Year Program must enroll in the Honors Program at Montclair State. Each selected student is assured of a place in the medical school once he or she has successfully completed the requirements of the program at Montclair State.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the medical program.

This program is available for qualified students who plan to major in one of the following at Montclair State: Biology, Molecular Biology, Computer Science, Mathematics, Chemistry, Biochemistry, Psychology or Anthropology. The program of study includes a minimum of one year of Biology, General Chemistry, Organic Chemistry and Physics. A minimum grade of B in each of the required science courses is required. Further, all Montclair State curriculum requirements for graduation, including the completion of requirements for an honors degree and degree program requirements for the respective majors, must be completed with a cumulative grade point average of 3.40 or better in order to continue in the combined program.

The deadline to submit applications for the Seven-Year Program is December 1.

For more information about the Seven-Year Program, contact the director of the Honors Program at 973-655-7374, or the chairperson of the Biology and Molecular Biology Department at 973-655-4397.

Bachelor of Science/Doctor of Pharmacy Degree Program

A seven year combined Bachelor of Science/Doctor of Pharmacy (B.S./Pharm. D.) degree program is offered with the Ernest Mario School of Pharmacy at Rutgers University (New Brunswick). MSU Biology, Molecular Biology, Chemistry or Biochemistry majors, after completing three years of prescribed courses at MSU, can progress to the Professional Phase of the Doctor of Pharmacy Program at Rutgers. After completion of the first professional year at Rutgers, a B.S. degree in Biology, Molecular Biology, Chemistry or Biochemistry is awarded by MSU. After completion of the seventh year (three years at MSU and four years at Rutgers, the Doctor of Pharmacy is awarded by Rutgers University. Entrance to the program is by competitive application, and successful progress requires a minimum grade point average (GPA) in prescribed courses. For additional information, call 973-655-5140 or log on http://www.csam.montclair.edu/BS_PharmD.html

Bachelor of Science/Doctor of Physical Therapy Degree Program

A six year combined B.S./DPT program, offered with the University of Medicine and Dentistry of New Jersey is composed of three years of undergraduate study at Montclair State and three years of study in the professional phase of the Doctor of Physical Therapy Program at UMDNJ. During the three years at Montclair State, the student must successfully complete the Gen Ed 2002 requirements and a specific science curriculum. After the completion of the first (graduate) year at UMDNJ, the student receives the Bachelor of Science degree in Biology from Montclair State University.

Qualified biology/molecular biology majors who are currently enrolled at Montclair State may apply. Acceptance into the Physical Therapy program is determined by UMDNJ. All applicants are selected on the basis of the following minimum criteria: Graduate Record Exam; minimum GPA of 3.0 overall and in the major; two volunteer or work experiences in two different physical therapy settings; three letters of recommendation; evidence of community service; essay; and an interview (to be conducted by an Admission Committee at UMDNJ).

Applicants are expected to have basic computer literacy, including file management, use of word processing and spreadsheet programs, use of e-mail and the Internet.

Application deadline: December 1 of junior year. Program begins August 1. For more information, call 973-655-4397 or log on: <http://www.csam.montclair.edu/biology/bioweb/links/articulations.html>

Bachelor of Science/Master of Physician Assistant Degree Program

A six year combined B.S./M.P.A. program, offered with the University of Medicine and Dentistry of New Jersey is composed of three years of undergraduate study at Montclair State and three years of study in the professional phase of the Master of Physician Assistant Program at UMDNJ. During the three years at Montclair State, the student must successfully complete Gen Ed 2002 requirements and a specific science curriculum. After the completion of the first (graduate) year at UMDNJ, the student receives the Bachelor of Science degree in Biology from Montclair State University.

Qualified biology/molecular biology majors who are currently enrolled at Montclair State may apply. Acceptance into the Physician Assistant program is determined by UMDNJ. All applicants are selected on the basis of the following minimum criteria: direct patient care experience; volunteer experiences with a Physician Assistant; minimum GPA of 3.0 overall and in the major; an interview (to be conducted by an Admissions Committee at UMDNJ).

Applicants are expected to have basic computer literacy, including file management, use of word processing and spreadsheet programs, use of e-mail and the internet.

Application deadline: June 1 of sophomore year. For more information, call 973-655-4397 or log onto <http://www.csam.montclair.edu/biology/bioweb/links/articulations.html>

Experiential Education Courses and Programs

The Center for Community-Based Learning

The Center for Community-Based Learning was established in January 2001 to focus a major part of its teaching and research on critical service priorities identified by local communities. A distinguishing feature of the Center is the strength and integrity of its two Programs, Cooperative Education and Service-Learning. Through these Programs, the Center offers students applied learning opportunities that foster personal and professional growth.

Within the University curriculum there are work-based and service-based courses designed to prepare students for professional and civic engagement. Arranged and monitored by faculty and staff, students go off-campus to experience applied learning in community settings, businesses, and not-for-profit organizations.

The Cooperative Education Program

Purpose

The Cooperative Education Program is designed to help students explore career options and develop the professional skills and competencies needed for career success. The integration of a supervised internship into a course of study better prepares a student to make informed career choices and manage a career after graduation. Students enrolled in the Program have exposure to emerging technology and the culture of the workplace while also improving their ability to learn in a self-directed manner.

Eligibility

Application to the Program is limited to degree-seeking students from all majors who have earned 30 credits and a 2.00 grade point average or better. Students who transfer into MSU without a degree must have earned 9 credits at MSU prior to enrollment. Students who transfer into MSU with an associate or bachelor's degree do not need to have any credits earned at MSU to participate in the Program. Some affiliated academic departments have additional requirements that are described in each of the departmental co-op course descriptions.

Obtaining a Co-op Position

The Cooperative Education Program maintains a network of participating employers in business, laboratories, government and the social service sector. Students work with professional staff to prepare a resume that is submitted to potential employers, who then select candidates and make final hiring decisions.

A Supervised Learning Experience

The Cooperative Education Program affiliates with employing organizations that provide opportunities for learning. Every effort is made to structure the work experience to maximize student growth and development. Faculty and employment supervisors provide guidance and written feedback to the student during their co-op semester.

Course Credit

Within the undergraduate program, students may earn up to 16 credits from a combination of co-op courses over a period of three or four semesters. Credit is earned for each semester of participation, including the summer term. The number of credits earned ranges from 3 to 9, depending upon the duration of the internship and the academic department. Throughout the course of their undergraduate careers, students may take multiple internships in a single setting or with different employing organizations.

A faculty advisor is assigned to each student after they enroll in a co-op course. The student and faculty advisor develop a Learning Agreement that forms the basis for the grade. During the co-op semester many faculty advisors require on-campus seminars to explore work-related challenges and emerging insights about career development issues.

Advance Planning for Enrollment

The Cooperative Education Program seeks to provide eligible students with the maximum benefits of participation. Preparation workshops, counseling, resume approval, and an offer by an employer are required before enrollment in a co-op course. Permission to enroll in a co-op course is arranged by a professional staff member affiliated with the Program. Once permission is obtained, students register during designated registration windows. Students are urged to apply to the Program at least four months before enrollment is desired in order to adequately prepare for employment interviews. A Policy and Procedures Handbook is provided to each applicant.

Location

The Cooperative Education Program is located in Morehead Hall, third floor, telephone: 973-655-4426, website: www.montclair.edu/pages/cooperativeed.

Cooperative Education Courses

	Semester Hours
COED 201 Community-Based Learning	1.0-3.0
COED 401 Cooperative Education-Experience I	3.0-8.0
COED 402 Cooperative Education-Experience II	3.0-8.0
COED 403 Cooperative Education-Experience III	3.0-8.0
COED 404 Cooperative Education-Experience IV	3.0-8.0
BIOL 409 Externship in Biological Research (Cooperative Education)	1.0-4.0
CMPT 499 Cooperative Education in Computer Science	3.0-8.0
ENWR 301 Cooperative Education (English)	4.0-8.0
FINC 491 Cooperative Education-Finance	3.0-8.0
FREN 380 Cooperative Education for the French Major	4.0-8.0
GNHU 391 Cooperative Education for the Liberal Arts	4.0-8.0
INDS 460 Cooperative Industrial Internship	4.0-8.0
INFO 230 Introduction to Business Work Experience	3.0-6.0
ITAL 385 Cooperative Education (Italian)	4.0-8.0
LSLW 498 Cooperative Education: Pre-law Studies	4.0-8.0
LSPR 498 Cooperative Education: Paralegal Studies	4.0 or 8.0
JUST 498 Senior Seminar and Field Experience in Justice Studies (Cooperative Education)	4.0-8.0
MKTG 399 Business Work Experience II	3.0-6.0
PCOM 391 Cooperative Education in Psychology	4.0-9.0
PEMJ 380 Internship in Physical Education	8.0
PEMJ 381 Cooperative Education in Physical Education	8.0
PERL 381 Cooperative Education in Recreation and Parks	4.0-8.0
SOCI 390 Cooperative Education in Sociology	3.0-4.0
SPAN 385 Cooperative Education (Spanish)	4.0-8.0

The Service Learning Program

Purpose

Service-Learning is an approach to education that integrates service to the community with academic course work. Reflection exercises are used to foster civic responsibility. Student learning is enhanced through first-hand experiences with issues of literacy, aging, the digital divide, adolescents at-risk, substance abuse prevention and peer mediation/conflict resolution.

Enrollment

Enrollment into the Service-Learning Program is open to undergraduate and graduate students. Courses are identified by a standard note "SL" in the Schedule of Courses booklet. Students can register for a designated service-learning course during the University-wide registration period.

Supervision

Every effort is made to structure the service-learning experience to maximize student growth and development. Faculty and community supervisors provide guidance and written feedback to students throughout their service-learning semester.

Location

The Service-Learning Program is located in Morehead Hall, third floor, telephone: 973-655-7203.

Department Sponsored Experiential Education Courses*

There are numerous courses offered through academic departments within the Colleges and Schools of the University.

To enroll in a department-sponsored course, a student should consult with her/his academic advisor and department chair.

**See specific department section of this catalog for a description of department-sponsored Experiential Education Courses*

College of Education and Human Services

	Semester Hours
HLTH 350 Field Study in Health	2.0-6.0
PEMJ 379 Internship in Athletic Training	4.0
PERL 271 Clinical Experiences in Therapeutic Recreation	1.0
PERL 285 Field Experience in Recreation and Parks	2.0-4.0
PERL 489 Internship	12.0
HECO 409 Internship in Home Economics	8.0-12.0
HEFD 252 Quantity Food Purchasing and Production	2.0
HENU 489 Externship in Food and Nutrition	2.0

College of Humanities and Social Sciences

	Semester Hours
ANTH 470 Archeological Field Methods	3.0-6.0
ANTH 490 Internship in Anthropology	3.0-6.0
HIST 443 Internship in History	3.0
LNGN 430 Field Methods (Linguistics)	3.0
LSLW 497 Pre-law Seminar and Internship	3.0
LSPR 497 Paralegal Seminar and Internship	3.0
LSPR 499 Selected Topics in Paralegal Studies	3.0
POLS 420 Seminar and Internship in Political Science	4.0
POLS 426 Seminar and Internship Public Administration I	4.0
POLS 306 Campaign Politics	3.0
PCOM 385 Advanced Community Psychology: Externship	3.0
PSYC 300 The Teaching of Psychology	3.0
SPAN 360 Hispanic Community Program	3.0
SPAN 481 Field Work - Hispanic Community I	3.0
SPAN 482 Field Work - Hispanic Community II	3.0
SPAN 483 Field Work - Hispanic Community III	3.0

College of Science and Mathematics

	Semester Hours
EUGS 463 Internship (Earth and Environmental Studies)	3.0-12.0

School of the Arts

	Semester Hours
BDCS 490 Internship: Broadcasting	4.0-16.0
DNCE 490 Internship in Dance	4.0-15.0
SPCM 490 Internship: Communication Studies	4.0-16.0
THTR 407 Internship: Design/Technical Theatre	4.0-12.0
THTR 490 Internship in Theatre	4.0-16.0
ARGS 441 Externship in Studio	2.0-8.0
ARGS 480 Field Trip in Studio	2.0-8.0
ARHM 460 Externship in Museum Studies	2.0-8.0
ARHS 480 Field Trip in Art History	2.0-6.0
MUTH 465 Internship in Music Therapy	1.0

School of Business

	Semester Hours
BEOS 330 Office Systems Administration Professional Work Experience Program	3.0-6.0
DIST 456 Honors Program-Executive Retail Training I	4.0
MGMT 392 Business Internship	1.0-3.0
MGMT 491 Small Business Institute	3.0
MKAD 392 International Business Internship	1.0-3.0
MKTG 348 Merchandise Information	3.0
MKTG 351 Supervised Work Experience and Seminar I	3.0
MKTG 399 Business Work Experience II	3.0-6.0
MKTG 451 Supervised Work Experience and Seminar II	3.0
MKTG 490 Marketing Internship	3.0
MKTG 491 Marketing Co-op	1.0-8.0

Courses of Instruction

COED 201

COMMUNITY-BASED LEARNING

1.0-3.0

The course is offered to students engaging in community-based learning. It provides the opportunity for students to participate, observe, reflect, and synthesize the experience. It will advance civic and professional development of students through practical experience in the local and business community.

COED 401

COOPERATIVE EDUCATION EXPERIENCE I

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

COED 402

COOPERATIVE EDUCATION EXPERIENCE II

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

COED 403

COOPERATIVE EDUCATION EXPERIENCE III

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

COED 404

COOPERATIVE EDUCATION EXPERIENCE IV

3.0-8.0

Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.

Prerequisites: Determined by individual academic departments.

Health Careers Program

Director: Donna Lorenzo

The Health Careers Program (HCP), funded jointly by MSU and the NJ Educational Opportunity Fund, provides opportunities for highly motivated and academically capable students from financially and educationally groups underrepresented in the health professions and the sciences, to complete undergraduate studies at Montclair State University and compete for admission to health professions and graduate schools. During the Pre-Freshman Summer Program, HCP provides formal course work and comprehensive supportive services, such as tutoring, collaborative learning and recitation sessions, academic advisement, counseling, lectures, field trips and financial assistance. Upper-class HCP students participate in preceptorships, summer externships, research activities, and other field experiences.

Articulation Agreements and Partnerships

Eight-Year BS/MD Combined Articulation Program

The Eight-Year BS/MD Combined Program is an articulation program between the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) and the Health Careers Program at Montclair State University (MSU), which results in the granting of a Baccalaureate degree from MSU and a Doctor of Medicine degree from UMDNJ-NJMS. While at MSU, students complete four years of full-time study in an approved honors program, receive comprehensive support services and participate in summer and academic year enrichment activities. Upon successful completion of program requirements at MSU, students automatically advance to the medical school.

Eight-Year BS/DMD Combined Articulation Program

The Eight-Year BS/DMD Combined Program is an articulation agreement similar to the Eight-Year BS/MD Combined Program. The Eight Year BS/DMD combined agreement is between the University of Medicine and Dentistry of New Jersey-New Jersey Dental School (UMDNJ-NJDS) and the Health Careers Program at Montclair State University. A Baccalaureate degree from MSU and a Doctor of Dental Medicine in Dentistry degree from UMDNJ-NJDS is granted. Students commence the program by completing four years of full time study at MSU, majoring in biology, molecular biology, chemistry and/or biochemistry while participating in summer and academic year enrichment activities. Upon completion of program requirements at MSU, students automatically advance to the New Jersey Dental School.

Medical Academic Advancement Program (MAAP)

Montclair State University participates in the Medical Academic Advancement Program (MAAP) consortium with the University of Virginia School of Medicine. The purpose of the consortium is to increase the number of disadvantaged students who are accepted into the University of Virginia School of Medicine, and other medical schools. HCP students participate in an intensive six-week summer program enrolled in biology, chemistry, physics, quantitative relationships, reading and essay printing courses. These courses prepare students for the Medical College Aptitude Test (MCAT). Other benefits include clinical or research laboratory experiences, under the supervision of faculty mentors; lectures on clinical medicine and biomedical research topics, academic advisement and information about and assistance with the medical school application process.

For information regarding the Health Careers Program, the Combined Eight-Year BS/MD and BS/DMD Articulation Agreement, or MAAP, please call 973-655-4415 or visit the HCP Office located in Science Hall, Room 130.

Honors Program

Director: David Nichols

The Honors Program provides a core of academic excellence, stimulates a sense of community, and establishes a lively and creative force in support of the academic and intellectual interests of outstanding students. Participants share a core curriculum of interdisciplinary seminars which fulfill various components of the undergraduate general education requirements. Honors sections of regular courses may also be available to participants as well as to selected students who are not participants in the Honors Program itself.

Admission to the Honors Program as a freshman requires that the applicant meet two of the following criteria:

1. Rank in the top 10% of high school class.
2. A score of at least 600 on either the verbal or math SAT.
3. A combined SAT score of at least 1200.
4. An unusual ability in the creative arts or exceptional leadership or other extraordinary accomplishment.

Students interested in applying to the program must fill out an application form that includes a brief essay. Selected candidates may be interviewed by a member of the Honors Program Advisory Board as part of the admission process. The number of students in the program is limited. Completion of the program's requirements becomes a part of the student's official transcript. It is expected that students in the Honors Program will choose to be involved in existing honors programs within their major disciplines. Courses in the junior year are designed to facilitate this transition.

Required Courses (24-25 s.h.)

Semester Hours

Freshman Year:

HONP 100 Honors Seminar in Great Books and Ideas, Part I	3.0
HONP 101 Honors Seminar in Great Books and Ideas, Part II	3.0
HONP 102 Honors Seminar in Twentieth Century Civilization	3.0
HONP 103 Honors Seminar in Contemporary Civilization	3.0

Sophomore Year:

HONP 104 Honors Seminar in Science	4.0
--	-----

Note: Students with required science courses in their majors may waive the Honors Seminars in Science

Honors Electives

Select three; students waiving the Science course select four:

HONP 104 Honors Seminar in Fractals and Infinity	3.0
HONP 112 Honors Seminar in Computing	3.0
HONP 201 Honors Seminar in Creative Process	3.0
HONP 202 Honors Seminar in Contemporary Issues II	3.0
HONP 211 Honors Seminar in Contemporary Issues I	3.0
HONP 301 Honors Seminar in Ways of Knowing	3.0
HONP 302 Honors Seminar in Methods of Scholarship and Research ..	3.0

Courses of Instruction

HONP 100

HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART I 3.0
Focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. With HONP 101, meets the two-semester Gen Ed 2002-Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)-Communication, Writing, Reading.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 101

HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART II 3.0
Continues to focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. With HONP 101, meets the two-semester Gen Ed 2002-Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)-Communication, Writing, Reading.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 102

HONORS SEMINAR IN 20TH CENTURY CIVILIZATION 3.0

Focus on important political, economic, and technological events of the twentieth century, and their implications for the individual and the society. Meets Gen Ed 2002-Social Science, American or European History. Meets the 1983 General Education Requirement (GER)-Contemporary Issues.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 103

HONORS SEMINAR IN CONTEMPORARY CIVILIZATION 3.0

Focus on important political, economic, technological, and social global issues and their implications for the individual and the society. Meets Gen Ed 2002-Interdisciplinary Courses, Contemporary Issues III: Global. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 104

FRACTALS AND INFINITY 3.0

A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Meets Gen Ed 2002-Mathematics. Meets the 1983 General Education Requirement (GER)-Mathematics, Mathematics. Cross listed with Mathematical Sciences, MATH 104.

Prerequisite: Satisfactory completion of the mathematics portion of the Montclair State University Basic Skills Placement Test (MSU-BSPT). For Honors Program students only or by permission of instructor.

HONP 112

HONORS SEMINAR IN COMPUTING 3.0

Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word-processing, spreadsheets, data bases, and communications. Cross listed with Computer Science, CMPT 112. Meets Gen Ed 2002-Computer Science. Meets the 1983 General Education Requirement (GER)-Mathematics, Computer Science.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 201

HONORS SEMINAR IN THE CREATIVE PROCESS 3.0

This course is designed for second-year honors program students. It makes no assumptions that they have a background in the creative arts. This course will acquaint them with the language and process of the creative arts from both an historical and contemporary perspective. Meets Gen Ed 2002-Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)-Fine and Performing Arts: Art Appreciation.

Prerequisite: For Honors Programs students only or by permission of instructor.

HONP 202

HONORS SEMINAR IN CONTEMPORARY ISSUES II 3.0

Application of social theory, methodology and forms of analysis to contemporary issues of importance within the United States. Meets Gen Ed 2002-Interdisciplinary Courses, Contemporary Issues II: National. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 210

HONORS SEMINAR IN SCIENCE 4.0

Interdisciplinary course in the natural and physical sciences consisting of seminars and laboratory experience. Meets the Gen Ed 2002-Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)-Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: For Honors Program students only or permission of instructor.

HONP 211

HONORS SEMINAR IN CONTEMPORARY ISSUES I 3.0

Interdisciplinary course in the natural and physical sciences applying the scientific method, scientific data analysis, reasoning and logic to selected contemporary issues. Meets Gen Ed 2002—Interdisciplinary Courses, Contemporary Issues I: Scientific. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science only.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 301

HONORS SEMINAR ON WAYS OF KNOWING 3.0

An interdisciplinary perspective on the nature of knowledge, including philosophical definitions of knowledge, the historical interaction of science with philosophical views of knowledge, the social context of knowledge, and the influence of values on the nature and development of knowledge.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 302

HONORS SEMINAR ON METHODS OF SCHOLARSHIP AND RESEARCH 3.0

The course will aim to familiarize students with the methods used in contemporary research in the humanities and the natural and social sciences. There are two goals which may provide a tension to the course: preparing students to embark on a major research project in their own discipline and making them sensitive to the issues in doing scholarship in other disciplines.

Prerequisite: For Honors Program students only or by permission of instructor.

New Jersey School of Conservation

COLLEGE OF SCIENCE AND MATHEMATICS

Director: William H. Thomas

Associate Director: Nicholas J. Smith-Sebasto

The New Jersey School of Conservation (NJSOC) is located on a 240-acre campus within the 15,000-acre Stokes State Forest in Sussex County, the most northwestern county in the state. Founded in 1949, the School was originally a Civilian Conservation Corps camp. East of the School is the main ridge of the Kittatinny Mountains, along which stretches the Appalachian Trail. To the West are the Delaware River and the Pocono Mountains. The campus surrounds 12-acre Lake Wapalanne. It has sleeping facilities for up to 285 and family-style dining in two dining halls for up to 312. Meals are prepared on-site by highly-trained kitchen staff. The campus also includes a barrier-free residence lodge. A fully equipped infirmary staffed by a registered nurse, who lives on-site, handles medical needs. Two boat docks with rowboats and canoes, an archery range, extensive hiking trails, a renovated cabin built in 1860, a carriage house built in 1813, an observatory with a six inch diameter telescope, and a library are special features of the campus. Through its varied programs in environmental sciences, humanities, outdoor pursuits, and social sciences, the School aims to develop in learners ecological literacy that will permit them to understand Earth's life support systems, the human dimensions of environmental problems and issues, and the skills necessary to adopt the sustained performance of environmentally responsible behaviors.

The activities and facilities at the NJSOC are designed to accommodate both long- and short-term learning experiences. These vary from 4-day/3-night, 3-day/2-night, 2-day/1-night programs to day experiences for nearly 9,000 elementary and middle students from nearly 100 schools from New Jersey and surrounding states. Each program is designed to meet the specific needs of the participating school group. Instruction is provided by a skillful coordination of collaborative teaching by faculty and graduate teaching assistants of the School of conservation and teachers from the participating schools. The programs offered have been cross-referenced with the New Jersey Core Curriculum Content Standards and meet many of them. Many teachers find they can meet more Standards by participating in programs offered by the School of Conservation than they can with classroom instruction. Inservice training for teachers, including weekend workshops, and undergraduate and graduate courses are also offered.

Courses of Instruction

CNFS 460

PRACTICUM IN ENVIRONMENTAL EDUCATION 3.0

This course is designed to provide future teachers and supervisors with a background of experience and knowledge which will enable them to organize and conduct environmental education programs. Using an extensive library of environmental education materials, students formulate teaching units, lists of teaching aids, and projects suitable for use in environmental programs. Participating in environmental programs with school children in residence at the School of Conservation furnishes a practical background for environmental education development.

CNFS 495

WORKSHOP ON UTILIZING NATURAL ENVIRONMENTS 1.0

To provide classroom teachers in all disciplines with experiences in using the natural environment to supplement classroom experiences. Opportunity for teachers to increase their knowledge of as well as skills in the techniques of incorporating the physical, biological, and socio-cultural components of the environment in their curricula will be emphasized through the use of small group lecture sessions held in the natural environment being described. Students are provided with the opportunity of administering and experimenting in each of four such environments out of a choice ranging from 15 to 20 specific subject areas.

CNFS 496

FIELD STUDY IN HUMANITIES AND NATURAL SCIENCE 1.0

Provides teachers in varied and diversified subject areas with an understanding of how the humanities and sciences may be taught in natural environments for the purpose of developing an environmental sensitivity.

CNFS 497

FIELD STUDIES IN SOCIAL STUDIES AND OUTDOOR

RECREATION

1.0

Provides an understanding of how outdoor pursuits and social studies may be taught using natural environments to develop environmental sensitivity. Does not meet resident requirement.

Special Education

Although there is no department of Special Education at Montclair State, there are several undergraduate and a number of graduate programs which offer preparation for a variety of special education professions. Programs are in the College of Education and Human Services, College of Humanities and Social Sciences, and School of the Arts. Certification as Teacher of the Handicapped is offered at the graduate level through the Department of Curriculum and Teaching in the College of Education and Human Services. Coursework leading to music therapy certification is offered at the undergraduate and graduate levels. The Psychoeducational Center, which is located on campus, provides practical clinical experiences for students in these various programs. Programs in Early Childhood, Elementary, and Literacy Education prepare teachers to work in inclusive settings.

Teacher Education Program

CENTER OF PEDAGOGY

Interim Director, Center of Pedagogy: Jennifer Robinson

Certification Officer: Ada Beth Cutler

Montclair State's Teacher Education Program includes a number of distinctive features, including a network of partner schools which provide urban and suburban settings for students to complete their field experiences and a programmatic emphasis on teaching for critical thinking. Professional development schools have been created from within the New Jersey Network for Educational Renewal. The Teacher Education Program was awarded the Christa McAuliffe Showcase for Excellence award by the American Association of State Colleges and Universities for its collaboration with public schools and is one of the programs selected from across the nation to become a member of the National Network for Educational Renewal founded by John Goodlad. The Teacher Education Program at MSU received the 2002 Best Practices Award in Support of Diversity from the American Association of Colleges for Teacher Education. The commitment of the faculty in the Teacher Education Program is to the enculturation of students into a political and social democracy, the moral dimensions of teaching, as well as competence and knowledge both in pedagogy and the content to be taught. The program is considered a national model for other colleges and universities.

The Teacher Education Program at Montclair State reflects a balance between a liberal education and professional preparation. The program which is coordinated by the Director of the Center of Pedagogy, combines general education, subject-matter (major) specialization and professional preparation. The professional component addresses four broad areas: the curriculum, student development and learning, the classroom and the school, and effective teaching practices. Special emphasis is placed upon the research findings related to effective teaching. All Teacher Education candidates must complete a field experience in an urban school as part of the program. The specific objectives of the program are described in the *Teacher Education Handbook*, which may be obtained in the Center of Pedagogy. The requirements for teacher certification are subject to changes in state regulations and college policy. Such changes will be publicized; however, students must regularly consult with departmental advisors and the most current edition of the *Teacher Education Handbook* to stay aware of recent developments.

The Teacher Education Program provides a sequence of professional courses and field experiences leading to teacher certification upon passing the required standardized test assessment (Praxis Series), while the student majors in a particular field of interest. Field experiences are collaboratively coordinated by Montclair State and the New Jersey Network for Educational Renewal, a partnership with over 20 local school districts. The graduate is recommended for certification to teach in all New Jersey public schools and is legally qualified to apply for certification in other member states of the Interstate Certification Compact. **Please note that United States citizenship is required for standard New Jersey teacher certification.**

A. General Education

Students interested in teacher certification complete the same general education program as other students at Montclair State. It should be noted, however, that certain courses meet both general education and teacher education requirements. These are noted in the section on the professional sequence, and are recommended if you wish to complete your program with the minimum number of semester hours.

B. Special Requirements

Students who intend to prepare for teaching should fulfill the following special requirements prior to formal admission to the certification program:

Human and Intercultural Relations Requirement

Effective fall 2002, undergraduate teacher education students who follow Gen Ed 2002 will be able to fulfill the Human and Intercultural Relations Requirement (HIRR) by satisfying the GenEd 2002 core and distribution requirements which "prepare students to be knowledgeable, active and discerning citizens, culturally aware, and self-reflective critical thinkers who can function locally as well in the nation and the global community."

Students who follow the 1983 General Education Requirement (GER) are still required to fulfill the HIRR according to the guidelines published in the 2002-2004 undergraduate catalog.

The Center of Pedagogy is committed to preparing teachers who recognize their roles and responsibilities as educators in a democracy. Therefore, we encourage students to continue to explore issues of diversity and social justice in their future studies, in addition to the HIRR requirement.

All students are still required to satisfy Montclair State University's Multicultural Awareness Requirement (MAR)

Examination in Physiology and Hygiene

This requirement may be satisfied by presenting college study in such areas as biology, personal health problems, community health, school health, family health, health counseling, nutrition or health administration or by taking an examination administered by the State Department of Education. A list of courses which currently satisfy this requirement are listed below.

Biology

- BIOL 100 Biological Sciences, non-majors only
- BIOL 107 Biology for Survival
- BIOL 110 Biology of Human Life
- BIOL 215 Human Heredity
- BIOL 240 Mammalian Anatomy and Physiology I, not for Biology majors
- BIOL 241 Mammalian Anatomy and Physiology II, not for Biology majors
- BIOL 243 Human Anatomy and Physiology
- BIOL 380 Genetics

Health Professions, Physical education, Recreation and Leisure Studies

- HLTH 101 Personal Health Issues
- HLTH 150 Principles and Practices of Emergency Care
- HLTH 207 Safety, Accidents and Emergency Care
- HLTH 210 Consumer Health
- HLTH 213 Perspective on Drugs
- HLTH 220 Mental Health
- HLTH 290 Human Sexuality
- HLTH 307 The Study of Human Diseases
- HLTH 315 Public Health
- HLTH 330 Foundations of Health Education
- HLTH 411 School Health and Community Services
- HLTH 430 Health Counseling

Human Ecology

- HENU 182 Nutrition

Honors Program Courses

- HONP 210 Honors Seminar in Science I
- HONP 211 Honors Seminar in Science II

C. Admission to Teacher Education

All students who intend to prepare for teaching must make formal application for admission to the teacher preparation program. It is recommended that students apply at the beginning of the second semester of the sophomore year. Application forms may be obtained from the Teacher Education Admission Office, Room 103, Chapin Hall. The application will be screened by a faculty committee, interviews conducted, and only those applicants who meet the admission criteria will be accepted.

It is important that a student make the decision to apply for admission to the program (admission to the university, or to a major, is not admission to the Teacher Education Program) as soon as possible. If application is made later than the end of the sophomore year, there may be some difficulty in completing the professional sequence in four years.

The criteria for admission are:

1. a. Cumulative overall average of at least 2.75. Students with cumulative GPA's of 2.5 - 2.74 may apply to the Program under the Supplemental Admissions Process.
b. A specific GPA required in major (GPA required varies by department. Consult your advisor for information).
c. No failing grades in major courses.
d. No grades of D or F in any prerequisite courses or in any of the professional education sequences
2. a. Successful completion of prerequisite courses for all certification areas with the exception of Early Childhood (P-3) and Elementary Education (K-8): PSYC 101 *General Psychology I: Human Growth and Development*; SPCM 101 *Fundamentals of Speech: Communication Requirement*; CURR 200 *Initial Field Experience*; PSYC 200 *Educational Psychology*; plus 9-12 semester hours of major courses.

- b. Successful completion of prerequisite courses for Early Childhood (P-3) and Elementary Education (K-8): PSYC 101 *General Psychology I: Growth and Development*, SPCM 101 *Fundamentals of Speech: Communication Requirement*; CURR 200 *Initial Field Experience*; HEFM 214 *Child Development I*; plus 9-12 semester hours of major courses.
3. Two recommendations, at least one from an MSU faculty member in major department and one from an MSU faculty member, high school teacher or off-campus educator.
4. Writing samples, one of which is impromptu.
5. A successful interview by a screening committee with representatives from the College of Education and Human Services and the student's teaching field or major. The interviewers' assessments of candidates will be made using the "Portrait of a Teacher" as a guide (see below).
6. An audition or portfolio review is required of music and art students respectively.

When a student is notified of admission to the program, advisors from the professional education sequence and the major will be assigned to help the student plan the sequence properly. Further information regarding the process of admission to teacher education can be secured from the Teacher Education Admissions Office, Chapin Hall 103.

D. Retention in Good Standing in Teacher Education

Upon admission to the Program, student performance is reviewed periodically prior to, and after student teaching, measured against the goals of the Portrait of a Teacher. For specific criteria for retention in the Program, see the most current edition of the *Teacher Education Handbook*. **These criteria include the requirement that students have an overall cumulative grade point average of 2.75 and have taken the required Praxis II Subject Assessment test prior to student teaching. In order to be recommended for certification, students must have passed the required Praxis II Subject Assessment test, and completed the program with a minimum GPA of 2.75.**

E. Portrait of a Teacher

In selecting students for the Teacher Education Program, Montclair State University uses criteria which are related to the kinds of knowledge, abilities, dispositions and character we expect graduates of our Program to possess. The "Portrait of a Teacher" outlined below is a model toward which students in the Program strive. In making decisions on acceptance to the Program, faculty consider such criteria as GPA, knowledge of content of major area of study, commitment to teaching and its varied responsibilities and communication abilities, both written and oral. These criteria enable faculty to assess the likelihood that candidates will achieve the goals inherent in the "Portrait of a Teacher."

The Montclair State University community is committed to the continuing development of teachers who exemplify the dispositions, knowledge, and skills reflected in this portrait. They:

1. Have expert knowledge of the disciplines they will teach and can use various strategies, including media and technology, for creating learning experiences that make the subject matter accessible and meaningful to all students.
2. Understand how children and adolescents learn and develop in a variety of school, family and community contexts, and can provide learning opportunities that support their students' intellectual, social, and personal development.
3. Understand the practice of culturally responsive teaching. They understand that children bring varied talents, strengths, and perspectives to learning; have skills for learning about the diverse students they teach; and use knowledge of students and their lives to design and carry out instruction that builds on students' individual and cultural strengths.
4. Plan instruction based upon knowledge of subject matter, students, families, communities, and curriculum goals and standards; and taking into account issues of class, gender, race, ethnicity, language, sexual orientation, age, and special needs in designing instruction.
5. Understand critical thinking and problem solving, and create learning experiences that promote the development of students' critical thinking and problem solving skills and dispositions.
6. Understand principles of democracy and plan and carry out instruction that promotes democratic values and communication in the classroom.
7. Understand and use multiple forms of assessment to promote the intellectual, social, and physical development of learners and to inform instruction.
8. Create a community in the classroom that is nurturing, caring, safe, and conducive to learning.

9. Are reflective practitioners who continually inquire into the nature of teaching and learning, reflect on their own learning and professional practice, evaluate the effects of their choices and actions on others, and seek out opportunities to grow professionally.
10. Build relationships with school colleagues, families, and agencies in the community to support students' learning and well-being, and work to foster an appreciation of diversity among students and colleagues.
11. Possess the literacy skills associated with an educated person; can speak and write English fluently and communicate clearly.
12. Develop dispositions expected of professional educators. These include belief in the potential of schools to promote social justice; passion for teaching; and commitment to ensuring equal learning opportunities for every student, critical reflection, inquiry, critical thinking, and life-long learning, the ethical and enculturating responsibilities of educators, and serving as agents of change and stewards of best practice.

F. Professional Sequences for Teacher Certification

Five semesters including the semester of acceptance are required to complete the professional sequence. This is the general pattern for teacher certification programs. Some require additional methods courses. You are encouraged to consult a departmental advisor early in your program. Please note: CURR 200 *Initial Field Experience* and courses in the professional sequence that are listed below under **JUNIOR OR SENIOR YEAR**, must be taken at Montclair State University.

Professional Sequence for Teacher Certification for all programs with the exception of Early Childhood (P-3) and Elementary Education (K-8)

FRESHMAN YEAR

Semester Hours

PSYC 101	General Psychology I: Growth and Development3.0 (Meets the 1983 General Education Requirement (GER)– Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)
SPCM 101	Fundamentals of Speech: Communication Requirement3.0

SOPHOMORE YEAR

CURR 200	Initial Field Experience1.0
PSYC 200	Educational Psychology3.0 (Meets the 1983 General Education Requirement (GER)– Social Science, Topic Course. It is pending approval to meet Gen Ed 2002.)

(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)

JUNIOR OR SENIOR YEAR

The following courses must be taken after admission to the Program and before the Professional Semester:

EDFD 220	Philosophical Orientation to Education3.0 (Meets the 1983 General Education Requirement (GER)– Philosophy/Religion. Meets the Gen Ed 2002–Philosophy or Religion.)
CURR 400	Teacher, School and Society3.0
A course in teaching reading (consult advisor)3.0	
CURR 409	Teaching for Critical Thinking OR
EDFD 409	Teaching for Critical Thinking OR
READ 409	Teaching for Critical Thinking3.0
Departmental Methods Course(s)3.0-4.0	
CURR 410	Intermediate Field Experience in Education1.0 (Generally taken the semester before student teaching.)

Note: Students must take the required Praxis II Subject Assessment test prior to student teaching. Students are **not** permitted to take any additional courses during the student teaching semester.

SENIOR YEAR

Professional Semester Package	
including student teaching	12.0-13.0
CURR 435 Effective Teaching/Productive Learning	3.0
CURR 402 Seminar in Professional Education	1.0
Departmental Seminar (if required)	1.0
CURR 411 Supervised Student Teaching	8.0

Note: You are urged to consult frequently with your departmental advisor and the Center of Pedagogy.

Professional Sequence for Teacher Certification for Early Childhood (Preschool-3)

FRESHMAN YEAR

	Semester Hours
PSYC 101 General Psychology I: Growth and Development	3.0
(Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)	
SPCM 101 Fundamentals of Speech: Communication Requirement	3.0
HEFM 214 Child Development I	3.0
Major Course	3.0

SOPHOMORE YEAR

CURR 200 Initial Field Experience	1.0
ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy	3.0
HEFM 314 Child Development II	3.0
Major Course	3.0
Major Course	3.0

(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)

JUNIOR OR SENIOR YEAR

The following courses must be taken after admission to the Program and before the Professional Semester:

EDFD 220 Philosophical Orientation to Education	3.0
(Meets the 1983 General Education Requirement (GER)—Philosophy/Religion. Meets the Gen Ed 2002—Philosophy or Religion.)	
ECEL 416 Arts and Creative Expression in Early Childhood	3.0
PSYC 235 Psychology of Exceptional Children and Youth	3.0
ECEL 417 Problem Solving in Science, Math and Technology in Early Childhood Classrooms	3.0
READ 400 Initial Inquiry into Literacy Development	3.0
READ 410 Children's Literature for a Multicultural Society	3.0
OR	
ECEL 319 Language and Literature for Young Children	3.0

SENIOR YEAR

Semester before student teaching	
ECEL 420 Building Programs and Community in Inclusive Early Childhood Classrooms	3.0
ECEL 411 Clinical Experience I: Inclusive Early Childhood Classrooms	2.0
ECEL 413 Seminar I: Inclusive Early Childhood Classrooms	1.0
Student teaching semester:	
ECEL 415 Clinical Experience II: Inclusive Early Childhood Classrooms	8.0
ECEL 419 Seminar II: Inclusive Early Childhood Classrooms	1.0
ECEL 435 Content Integration and Assessment in Inclusive Early Childhood Classrooms	3.0

Note: You are urged to consult frequently with your ECEL advisor and the Center of Pedagogy.

Professional Sequence for Teacher Certification for Elementary Education (K-8)

FRESHMAN YEAR

	Semester Hours
PSYC 101 General Psychology I: Growth and Development	3.0
(Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)	
SPCM 101 Fundamentals of Speech: Communication Requirement	3.0
HEFM 214 Child Development I	3.0
Major Course	3.0

SOPHOMORE YEAR

CURR 200 Initial Field Experience	1.0
ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy	3.0
HEFM 314 Child Development II	3.0
Major Course	3.0
Major Course	3.0

(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)

JUNIOR OR SENIOR YEAR

The following courses must be taken after admission to the Program and before the Professional Semester:

EDFD 220 Philosophical Orientation to Education	3.0
(Meets the 1983 General Education Requirement (GER)—Philosophy/Religion. Meets the Gen Ed 2002—Philosophy or Religion.)	
ECEL 408 Social Studies and the Arts in Elementary Classrooms	3.0
ECEL 418 Social and Cultural Context of Families and Communities	3.0
ECEL 427 Explorations: Science, Math and Technology in Elementary Classrooms	3.0
READ 400 Initial Inquiry into Literacy Development	3.0
READ 408 Content Area Literacy in Elementary Classrooms	3.0

Must take required Praxis II exam.

SENIOR YEAR

Semester before student teaching:	
ECEL 422 Integrating Elementary Curriculum and Assessment for Equity and Diversity	3.0
ECEL 410 Clinical Experience I: Inclusive Elementary Classrooms	2.0
ECEL 412 Seminar I: Inclusive Elementary Classrooms	1.0
Student teaching semester:	
ECEL 414 Clinical Experience II: Inclusive Elementary Classrooms	8.0
ECEL 421 Seminar II: Inclusive Elementary Classrooms	1.0

You are urged to consult frequently with your ECEL advisor and the Center of Pedagogy.

G. New Jersey Teacher Test Requirement

The New Jersey State Board of Education requires candidates for instructional certificates to take sections of The Praxis II series of tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in Room 103, Chapin Hall. Students are urged to take the required Praxis test as soon as they become eligible to do so, i.e. after they have achieved senior status (90 s.h.), and must have their scores sent to the University, as well as to the New Jersey Department of Education, prior to the professional (student teaching) semester.

Graduate and Special Programs

1. Certification Program (Post-Baccalaureate)—A program leading to a New Jersey teaching certificate for holders of a bachelor's degree who do not wish to enter a graduate degree program.
2. Master of Arts in Teaching—Designed for liberal arts graduates who seek certification as teachers.
3. The Master of Education degree—Designed for the teacher who wishes to upgrade classroom knowledge and skills.

NOTE: Consult the graduate catalog for information.

Title II Report Summary 2002-2003

As reported to the NJ Department of Education under Title II of the Higher Education Act as the "summary pass rate", 100% of students who completed Montclair State University's programs for initial teacher certification in AY 2002-2003 passed the PRAXIS test required for licensure by the state of New Jersey. For comparison, the statewide summary pass rate is 99%. An aggregate pass rate of 100% was calculated for the academic content areas (math, English, biology, etc.).

The percentages of students who passed the individual ("single") PRAXIS assessments are as follows (the statewide pass rate for each is in parentheses):

Elementary education: content knowledge	100	(99)
English language, literature & composition:	100	(98)
Health & Physical education:		
content knowledge	100	(99)
Mathematics:	100	(94)
Physical education:	100	(100)
Social Studies	100	(93)

As required under Title II, pass rates were reported only for assessments with more than 10 test-takers. Students completing programs who took assessments with less than ten test-takers passed at the following rates (the statewide pass rate, if available, is in parentheses):

Art	100	(100)
Biology	100	(97)
Business Education	80	(100)
Chemistry	100	(100)
Family and Consumer sciences	100	
French	100	(100)
General Science I:	100	(98)
General Science II:	100	(100)
Music	100	(98)
Physics	100	(96)
Speech Communication	100	
Technology Education	100	(100)

The following information about the teacher preparation program at Montclair State University in AY 2002-2003 was also reported under Title II:

Total number of students enrolled in teacher preparation programs:	1212
Average number of students enrolled in student teaching experiences: ..	359
Average number of full-time faculty appointed in professional education who supervised student teachers:	11
Average number of faculty appointed part-time in professional education and full-time in the institution who supervised student teachers:	20
Average number of faculty appointed part-time in professional education, not otherwise employed by the institution, who supervised student teachers:	80
Total average number of supervising faculty	111
Student/faculty ratio:	3.2/1

The average number of hours per week in student teaching was 35 hours. The total number of weeks required is 15, for a total of 525 hours of student teaching. The program is approved by the NJ Department of Education.

The full Title II report may be obtained from the center of Pedagogy.



APPENDIX OF SCHOLARSHIPS AND AWARDS

Accounting, Law and Taxation

ACCOUNTING SCHOLARSHIP

Amount: *Varies*

Criteria: *Junior or senior accounting majors with high academic achievement and financial need.*

Contact: *Chairperson, Accounting, Law and Taxation*

KATHE BRODT MEMORIAL SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Concentration in accounting, 90 credits completed toward the baccalaureate degree, registered for full-time study (at least 12 semester hours each term during the year of grant), academic achievement and financial need.*

Contact: *Chairperson, Accounting, Law and Taxation*

GARY L. PALUMBO SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.*

Contact: *Dean, School of Business*

African-American Studies

AFRICAN-AMERICAN STUDIES SCHOLARSHIP

Amount: *Varies*

Criteria: *Students minoring in African-American Studies.*

Contact: *Director, African-American Studies*

Art and Design

ANNE CHAPMAN SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time students majoring in art and design. Minimum GPA of 3.0; financial need will be considered.*

Contact: *Chairperson, Art and Design*

F. PAUL SHIELDS FUND

Amount: *Varies*

Criteria: *The scholarship will be awarded to a full-time student in the Master's of Fine Arts program at MSU. The award is based on academic achievement and the student must maintain a minimum GPA of 3.2. Must also provide evidence of demonstrated leadership and participation in extra-curricular activities at MSU.*

Contact: *Chairperson, Art and Design.*

Biology and Molecular Biology

CHARLES HADLEY MEMORIAL FUND FOR INDEPENDENT STUDENT RESEARCH

Amount: *Up to \$275*

Criteria: *Students who have displayed excellence of work and need for financial assistance to complete their research and independent student projects in biology.*

Contact: *Chairperson, Biology and Molecular Biology*

JACOB GOODMAN SCHOLARSHIP

Amount: *Varies*

Criteria: *Matriculated, full-time student enrolled in the Biology and Molecular Biology Department. Based on academic achievement. Recipient must have at least 90 credits towards an undergraduate degree.*

Contact: *Chairperson, Biology and Molecular Biology*

VIOLA WHITNEY PFLEGER FUND

Amount: *\$500*

Criteria: *Students of horticulture recommended by chairperson of Biology and Molecular Biology or designee.*

Contact: *Chairperson, Biology and Molecular Biology*

DR. AL STEIN MEMORIAL AWARD

Amount: *Varies*

Criteria: *Full-time students majoring in a program within the Biology and Molecular Biology Department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.*

Contact: *Chairperson, Biology and Molecular Biology*

Broadcasting

MARGARET J. DiFLAURO SCHOLARSHIP

Amount: *\$500*

Criteria: *Broadcasting major with a strong academic record who is participating in the Siena Study Abroad Travel program.*

Contact: *Chairperson, Broadcasting*

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: *Varies*

Criteria: *Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.*

Contact: *Chairperson, Broadcasting*

MARY LOZADA SCHOLARSHIP

Amount: *\$500*

Criteria: *Recipient must be full-time undergraduate Broadcasting major at MSU accepted to a University sponsored study abroad program and is enrolled in at least one broadcasting course. Must be in good academic standing and have completed at least two semesters of study at MSU.*

Contact: *Chairperson, Broadcasting*

JOHN D. SHARKEY SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time junior or senior broadcasting major with a minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Broadcasting*

Business Administration

RAFFAELA BASILE MEMORIAL SCHOLARSHIP

Amount: *Up to \$500*

Criteria: *Upcoming junior or senior in the School of Business, service to Montclair State, favorable academic standing, and financial need.*

Contact: *Dean, School of Business*

MICHAEL AND GERTRUDE HANCOUSKI FUND

Amount: *Varies*

Criteria: *Full-time undergraduates matriculating within the School of Business.*

Contact: *Dean, School of Business*

THE BOBBY HUGHES MEMORIAL SCHOLARSHIP FUND

Amount: *Varies*

Criteria: *Recipients must be full-time undergraduate male students enrolled in the School of Business. Must maintain a GPA of 3.2 and demonstrate financial need.*

Contact: *Dean, School of Business*

THE LARAJA FOUNDATION SCHOLARSHIP

Amount: *\$1,500*

Criteria: *Full-time undergraduates majoring in one of the fields of business offered through the School of Business with a 3.0 GPA.*

Contact: *Dean, School of Business*

JAMES McGOVERN SCHOLARSHIP

Amount: *\$250*

Criteria: *Full-time student who will be enrolled as a senior year student in the following fall semester, majoring in a program offered through the School of Business.*

Contact: *Dean, School of Business*

NORTH JERSEY REGIONAL DEVELOPMENT COUNCIL AWARD

Amount: *\$1,000*

Criteria: *Incoming or currently enrolled student in an undergraduate program taking business courses which will help the student in the world of business. Student must show need of financial assistance and be a resident of Passaic County.*

Contact: *Dean, School of Business*

GARY L. PALUMBO SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.*

Contact: *Dean, School of Business*

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER AUNT, ANNA PEINS MILLER

Amount: *Varies*

Criteria: *Female undergraduate matriculating within the School of Business whose educational goal is to prepare for a career in the business world. Must demonstrate favorable academic achievement, participation in campus and/or community activities, exhibits personal growth and potential for professional success.*

Contact: *Dean, School of Business*

SOVEREL BOOK AWARD

Amount: *\$200*

Criteria: *Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.*

Contact: *Dean, School of Business*

TWIN MANAGEMENT FORUM SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Female undergraduate with minimum 3.0 cumulative GPA whose educational goal is to prepare for a career in business or industry. Applicants must complete NJ Financial Aid Form.*

Contact: *Dean, School of Business*

Chemistry and Biochemistry

THE GAWLEY/BECKER SCIENCE EDUCATION AWARD

Amount: *Varies*

Criteria: *Final semester student must complete comprehensive science requirements to be determined by Chemistry and Biochemistry department chair and faculty.*

Contact: *Chairperson, Chemistry and Biochemistry*

RALPH R. MIANO SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Full time undergraduate majoring in chemistry, enrolled in a program which will qualify the student for NJ teacher certification, who will achieve senior standing in the Fall semester in which the scholarship is awarded.*

Contact: *Chairperson, Chemistry and Biochemistry*

NANCY SANDELIN PAISLEY AWARD

Amount: *\$100*

Criteria: *Undergraduate in the Foods and Nutrition Program who has completed both Fundamentals of Biochemistry and has high overall academic achievement, good character and potential to contribute to profession.*

Contact: *Chairperson, Chemistry and Biochemistry or Human Ecology*

GEORGE PLACEK AWARD

Amount: *Varies*

Criteria: *Most outstanding sophomore scholar in Chemistry classes.*

Contact: *Chairperson, Chemistry and Biochemistry*

MARGARET AND HERMAN SOKOL FRESHMAN CHEMISTRY SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Incoming freshmen chemistry majors recommended by their high school principals and/or high school chemistry teachers.*

Contact: *Chairperson, Chemistry and Biochemistry*

MARGARET AND HERMAN SOKOL FELLOWSHIP IN SCIENCE

Amount: *\$10,000*

Criteria: *Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must exhibit academic excellence and potential for success in doctoral studies and research.*

Contact: *Dean, College of Science and Mathematics*

Child Care

JEAN M. ARMSTRONG SCHOLARSHIP

Amount: *Varies*

Criteria: *Matriculated students or employees of Montclair State who have children enrolled in the Montclair State Child Care Center.*

Contact: *Director, MSU Child Care Center*

PARENT/CHILD SCHOLARSHIP

Amount: *Varies*

Criteria: *Matriculated students who have children enrolled in the MSU Child Care Center, volunteer at the center and demonstrate financial need.*

Contact: *Director, MSU Child Care Center*

Classics and General Humanities

DORIS KIBBE SCHOLARSHIP

Amount: *Varies*

Criteria: *Student pursuing work in Latin or the Classics, minimum GPA of 3.0*

Contact: *Chairperson, Classics and General Humanities*

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS

Amount: *Varies*

Criteria: *Full-time, undergraduate junior or senior classics major with a minor in Latin. A minimum grade point average of 3.2 with a grade point average of 3.5 in at least two Latin courses who does not qualify for financial aid.*

Contact: *Chairperson, Classics and General Humanities*

College of Education and Human Services

BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD

Amount: *\$500*

Criteria: *Student who plans to enter teaching field. Must demonstrate evidence of leadership, financial need, and involvement in campus/community activities. Minimum 3.0 GPA. Awarded to a sophomore and a junior. Priority given to Bergen County resident.*

Contact: *Center of Pedagogy, Office of Teacher Education*

BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD

Amount: *\$500*

Criteria: *Full-time sophomore and junior with minimum cumulative GPAs of 3.0. Must exhibit the potential to be teachers. Preference given to Bergen County, NJ, residents.*

Contact: *Dean, College of Education and Human Services*

WILLIAM A. CUFF MEMORIAL AWARD

Amount: *\$500*

Criteria: *Student entering the teaching profession.*

Contact: *Center of Pedagogy, Office of Teacher Education*

THE J. THOMAS FLAGG OUTSTANDING STUDENT TEACHER AWARD

Amount: *\$100*

Criteria: *Candidates are identified as exemplary student teachers by school- or university-based faculty.*

Contact: *Center of Pedagogy, Office of Teacher Education*

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: *Varies*

Criteria: *M.Ed. or M.A.T. students who possess a strong GPA. Must provide statement of goals and letter of recommendation*

Contact: *Center of Pedagogy, Office of Teacher Education*

RUTH LEWIN ENDOWMENT FUND

Amount: *\$500-1,000*

Criteria: *Student in Teacher Education Program who demonstrates financial need.*

Contact: *Center of Pedagogy, Office of Teacher Education*

NICHOLAS AND SUSAN MICHELLI MEMORIAL AWARD

Amount: *\$500*

Criteria: *Student who demonstrates a commitment to a career in urban education.*

Contact: *Center of Pedagogy, Office of Teacher Education.*

ALLAN AND MARGUERITE D. MOREHEAD SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time teacher education student from the inner city or a student committed to teaching in the inner city.*

Contact: *Center of Pedagogy, Office of Teacher Education*

TEACHERS CLUB OF MONTCLAIR AWARD FOR SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Juniors admitted to the Teacher Education Program. Based on merit.*

Contact: *Center of Pedagogy, Office of Teacher Education*

THE ERCELL I. WATSON MEMORIAL FUND

Amount: *\$100*

Criteria: *Educator who is matriculated in or a graduate of a master's degree program in the College of Education and Human Services.*

Contact: *Center of Pedagogy, Office of Teacher Education*

LUCILLE WEISTUCH MEMORIAL AWARD

Amount: Varies
Criteria: Student enrolled in the Early Childhood, Elementary, and Literacy Education program at MSU.
Contact: Chair, Early Childhood, Elementary, and Literacy Education

College of Humanities and Social Sciences

JANET HOLT SCHOLARSHIP

Amount: \$1,000
Criteria: Full-time undergraduate majoring in a field of study within the College of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.
Contact: Chairperson, Philosophy and Religion

SANFORD R. RADNER SCHOLARSHIP

Amount: Varies
Criteria: Undergraduate evening student with at least 6 credits in the semester (at least 3 must be taken in the evening) majoring in subjects offered in the College of Humanities and Social Sciences
Contact: Director, Admission

College of Science and Mathematics

MARGARET AND HERMAN SOKOL TRAVEL AWARD FOR INTERNATIONAL GRADUATE STUDY/RESEARCH

Amount: \$5,000 (\$2,500 per semester)
Criteria: Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.
Contact: Dean, College of Science and Mathematics

Communication Sciences and Disorders

MARYANN PEINS SCHOLARSHIP

Amount: Varies
Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.
Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP

Amount: \$250
Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.
Contact: Chairperson, Communication Sciences and Disorders

Communication Studies

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies
Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.
Contact: Chairperson, Communication Studies

Community Service

GEORGE G. KING MEMORIAL AWARD

Amount: \$100
Criteria: Outstanding contribution in community service, i.e., through community agencies.
Contact: Dean, College of Education and Human Services

Cooperative Education

PRUDENTIAL CO-OP SCHOLARSHIP

Amount: \$500
Criteria: Cooperative Education students who exhibit exceptional professional and personal growth. Nomination, essay and interview required.
Contact: Director, Cooperative Education

Economics and Finance

ARYEH BLUMBERG AWARD

Amount: \$100
Criteria: Finance major who wins the Wall Street Journal Award for the best academic performance in finance.
Contact: Chairperson, Economics and Finance

J. S. GANG SCHOLARSHIP

Amount: Varies
Criteria: Outstanding economics or political science students who will remain at Montclair State for upper division work. Must show high academic achievement and financial need.
Contact: Chairperson, Economics and Finance

HONIG TEXTBOOK SCHOLARSHIP

Amount: Varies
Criteria: Outstanding students enrolled in the Department of Economics and Finance.
Contact: Chairperson, Economics and Finance

English

MARY BONDON SCHOLARSHIP AWARD

Amount: \$1,500
Criteria: Graduate student pursuing a teaching career in English Literature.
Contact: Chairperson, English

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP

Amount: Varies
Criteria: Graduate student pursuing an American literature or creative writing degree. Selection based on value of thesis proposal and financial need.
Contact: Chairperson, English

W. BERNARD FLEISCHMAN MEMORIAL FUND

Amount: \$100
Criteria: Undergraduate majoring in English who demonstrates excellence in the humanities.
Contact: Chairperson, English

SHARI KANDELL MEMORIAL SCHOLARSHIP

Amount: Varies
Criteria: Recipient must be a part-time undergraduate female English major. Must maintain a 3.0 GPA and demonstrate financial need.
Contact: Chairperson, English

ANTHONY L. LOVASCO MEMORIAL FUND

Amount: \$100
Criteria: Outstanding students in the field of Shakespearean studies.
Contact: Chairperson, English

MOE MCGEE SCHOLARSHIP

Amount: Full tuition and fees for two semesters
Criteria: Full-time undergraduate English majors with a minimum cumulative GPA of 3.0
Contact: Chairperson, English

MURRAY PROSKY AWARD

Amount: \$100
Criteria: Award is based on the submission of a paper in Irish literature to the English Department
Contact: Chairperson, English

BESSIE SASLAW SOLOMON MEMORIAL SCHOLARSHIP

Amount: \$300
Criteria: English major who demonstrates a commitment to scholarship and community service with particular consideration given to students interested in teaching.
Contact: Chairperson, English

MIRIAM R. TAUB ENGLISH SCHOLARSHIP

Amount: \$1,000
Criteria: Full-time undergraduate women students majoring in English with a 3.25 cumulative GPA.
Contact: Chairperson, English

Film Studies

TOMLINSON/MERANZE FILM STUDIES AWARD

Amount: \$100
Criteria: Graduating student minoring in film who has the highest GPA in film courses.
Contact: Chairperson, English and Director, Film Studies

French

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY

Amount: \$1,000

Criteria: Students who possess financial need and demonstrate merit.

Contact: Chairperson, French

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP

Amount: 28,000 Austrian Schillings (about \$1,700), plus room, health insurance and 20-day pass on Austrian National Railway.

Criteria: Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.

Contact: Chairperson, French. Apply during early spring semester.

Geography

BERTRAND BOUCHER SCHOLARSHIP FUND

Amount: Varies

Criteria: Student majoring in environmental, urban and geographic studies.

Contact: Chairperson, Earth and Environmental Studies

MILSTEAD AWARD FOR EXCELLENCE IN GEOGRAPHY

Amount: Approximately \$150

Criteria: Junior majoring in environmental, urban and geographic studies who is in high academic standing and shows promise as a professional geographer.

Contact: Chairperson, Earth and Environmental Studies

Graduate Studies

DR. HARRY BALFE II SENIOR AWARD

Amount: Varies

Criteria: Graduating senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.

Contact: Chairperson, Legal Studies

HAROLD C. BOHN FELLOWSHIP

Amount: Varies

Criteria: Senior who shows promise in any academic discipline and presents a bonafide plan for graduate study.

Contact: Dean of Students

MARY BONDON SCHOLARSHIP AWARD

Amount: \$1,500

Criteria: Qualified English graduate student pursuing a teaching career in English literature.

Contact: Chairperson, English

JOHN AND ROSE CALI SCHOLARSHIP FOR THE ARTS

Amount: Varies

Criteria: Perspective or currently enrolled full-time or part-time undergraduate or graduate students enrolled in the School of the Arts. Must have a minimum GPA of 2.5.

Contact: Dean, School of the Arts

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP

Amount: Varies

Criteria: Montclair State graduate pursuing a graduate degree in American literature or creative writing at the institution.

Contact: Selection based on value of thesis proposal and financial need. Chairperson, English

WILLIAM P. DIOGUARDI FELLOWSHIP

Amount: Varies

Criteria: Graduating MSU senior with a minimum cumulative GPA of 2.8 who has competed in intercollegiate athletics as a member of a varsity team and has been accepted into a post-baccalaureate degree program.

Contact: Director of Athletics

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY

Amount: \$1,000

Criteria: Students who show financial need and demonstrate merit.

Contact: Chairperson, French

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: Varies

Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Communication Studies or Dance and Theatre, minimum GPA of 3.0 in major courses.

Contact: Chairperson, Communication Studies or Theatre and Dance

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND

Amount: Varies

Criteria: Matriculated graduate student currently teaching or preparing to teach who is enrolled in the M.Ed. or MAT degree program at MSU.

Contact: Dean, College of Education and Human Services

DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN THEATRE

Amount: \$100

Criteria: Theatre graduate or undergraduate with a minimum GPA of 3.0 in theatre courses. Must exhibit performance quality, professional potential and evidence of continued development.

Contact: Chairperson, Theatre and Dance

MIANO GRADUATE SPECIAL EDUCATION SCHOLARSHIP

Amount: \$1,000

Criteria: Graduate student enrolled in a program leading to work with children who have Pervasive Developmental Disorders. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.

Contact: Director, Psychoeducational Center

JAMES AND ELIZABETH MILLARD SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated full-time undergraduate or graduate students in good academic standing who have come from the West Indies to study at MSU. Financial need will be a consideration in the awarding of this scholarship.

Contact: Director, International Student Services

DONALD AND JUDITH MILLER SCHOLARSHIP FOR FINE ARTS

Amount: Varies

Criteria: Perspective or currently enrolled full-time undergraduate or graduate African American and Latino students enrolled in the Art and Design department of the School of the Arts. Must have minimum cumulative GPA of 2.5 at the time of application.

Contact: Dean, School of the Arts

ARTHUR NEWMAN MEMORIAL FUND

Amount: Varies

Criteria: Undergraduate or graduate students enrolled in programs offered through MSU's School of the Arts to participate in programs or activities which will provide professional development in the arts.

Contact: Dean, School of the Arts

DAVID OTT FELLOWSHIP

Amount: A total of \$4,000 awarded at the rate of \$1,000 per semester

Criteria: Incoming fully matriculated graduate student enrolled in the Music Therapy Program. Recipient must remain a matriculated student in good standing.

Contact: Coordinator, Music Therapy Program

PHI DELTA KAPPA SCHOLARSHIP

Amount: Varies. Usually two awards covering cost of one graduate course.

Criteria: Matriculated student in education master's degree program.

Contact: Dean, College of Education and Human Services

MARYANN PEINS SCHOLARSHIP

Amount: Varies

Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.

Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP

Amount: \$250

Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.

Contact: Chairperson, Communication Sciences and Disorders

F. PAUL SHIELDS FUND

Amount: *Varies*

Criteria: *The scholarship will be awarded to a full-time student in the Master's of Fine Arts program at MSU. The award is based on academic achievement and the student must maintain a minimum GPA of 3.2. Must also provide evidence of demonstrated leadership and participation in extra-curricular activities at MSU.*

Contact: *Chairperson, Art and Design.*

MAX A. SOBEL FELLOWSHIP

Amount: *Amount and frequency varies*

Criteria: *Graduate student in mathematics education nominated by mathematics education faculty*

Contact: *Chairperson, Mathematical Sciences*

MARGARET AND HERMAN SOKOL FELLOWSHIP IN SCIENCE

Amount: *\$10,000*

Criteria: *Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must show academic excellence and potential for success in doctoral studies and research.*

Contact: *Dean, College of Science and Mathematics*

MARGARET AND HERMAN SOKOL AWARD FOR INTERNATIONAL GRADUATE STUDY/RESEARCH

Amount: *\$5,000 (\$2,500 per semester)*

Criteria: *Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.*

Contact: *Dean, College of Science and Mathematics*

SOVEREL BOOK AWARD

Amount: *\$200*

Criteria: *Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.*

Contact: *Dean, School of Business*

DR. AL STEIN MEMORIAL AWARD

Amount: *Varies*

Criteria: *Full-time students majoring in a program offered in the Biology and Molecular Biology department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.*

Contact: *Chairperson, Biology and Molecular Biology*

ALBERT WANG THESIS SCHOLARSHIP

Amount: *\$2,000*

Criteria: *Fully matriculated full- or part-time doctoral students at Montclair State University who are enrolled in their courses for dissertation advisement for the semester of the award. Must maintain a minimum of 3.0 GPA.*

Contact: *Dean, Graduate Studies*

THE ERCCELL I. WATSON MEMORIAL FUND

Amount: *\$100*

Criteria: *Educator who is matriculated in or a graduate of a master's degree program in the College of Education and Human Services.*

Contact: *Dean, College of Education and Human Services*

Health Professions

PANZER TRUST INCENTIVE SCHOLARSHIP

Amount: *\$200*

Criteria: *Health major who has been accepted for graduate work at a college or university.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

JOHN G. REDD SCHOLARSHIP

Amount: *\$300*

Criteria: *Full-time undergraduate majoring in health.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

History

JULIAN J. JAFFE MEMORIAL AWARD

Amount: *\$75-\$100*

Criteria: *Undergraduate student who has shown distinction in the study of history and shows a concern for the truth about the past.*

Contact: *Chairperson, History*

WILLIAM McLEAN SCHOLARSHIP

Amount: *\$500 (junior or senior year)*

Criteria: *Outstanding junior history major who has shown an appreciation for the comprehensiveness of historical study and the interrelatedness of history, the social sciences and the humanities. Minimum GPA of 3.0 in history and a minimum cumulative GPA of 2.67.*

Contact: *Chairperson, History*

GARY RICHARD TAMIRIAN MEMORIAL SCHOLARSHIP

Amount: *Varies*

Criteria: *Outstanding junior or senior majoring in history or political science with a minimum cumulative GPA of 3.5. Must offer examples of community service and commitment to humanitarian endeavors.*

Contact: *Chairperson, History or Political Science*

Honors Program

ADP HONORS SCHOLARSHIP

Amount: *\$1,250*

Criteria: *Full-time undergraduate students enrolled in MSU's Honors Program. Recipients must agree to limit themselves to no more than 10 hours a week of outside employment in semesters for which they receive the scholarship.*

Contact: *Director, Honors Program*

MSU FOUNDATION HONORS SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time students in the Honors Program.*

Contact: *Director, Honors Program*

THE PHYLLIS LeBOFF ENDOWMENT FUND IN HONOR OF HER HUSBAND, GERALD A. LeBOFF

Amount: *Varies*

Criteria: *Talented and gifted students.*

Contact: *Director, Honors Program*

THE VIVIAN AND HEINZ ROSENBUSH MEMORIAL SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time juniors or seniors in the Honors Program.*

Contact: *Director, Honors Program*

MARY A. WHALEY MEMORIAL SCHOLARSHIP

Amount: *Varies*

Criteria: *Gifted, incoming freshmen with middle income backgrounds who do not qualify for financial aid.*

Contact: *Director, Honors Program*

WILKINS HONORS SCHOLARSHIP

Amount: *Varies*

Criteria: *Students in the Honors Program, especially those interested in the sciences.*

Contact: *Director, Honors Program*

Human Ecology

FASHION STUDIES AWARD

Amount: *Varies*

Criteria: *Human Ecology major with a concentration in Fashion Studies; high academic standing; participation in college and/or community activities; professional potential.*

Contact: *Chairperson, Human Ecology*

FOOD SCIENCE AWARD

Amount: *\$300*

Criteria: *Human Ecology major with a concentration in Food and Nutrition-Food Technology with minimum cumulative GPA of 3.0 and professional potential.*

Contact: *Chairperson, Human Ecology*

LOIS J. GUTHRIE SCHOLARSHIP

Amount: \$250

Criteria: Full-time junior Human Ecology major with minimum cumulative GPA of 3.0. Must have made voluntary contributions of time and energy to a community agency serving families or consumers.

Contact: Chairperson, Human Ecology

KATHERINE B. HALL SCHOLARSHIP

Amount: Varies

Criteria: Full-time senior Human Ecology major with a minimum cumulative GPA of 3.0. Must be a member and active participant in the activities of the AAFCS, KON, or MSDO MSU chapter.

Contact: Chairperson, Human Ecology

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER GRANDMOTIER, ANNA ESEMANN PEINS

Amount: Varies

Criteria: Full-time female undergraduate junior or senior Human Ecology major enrolled in the Food and Nutrition concentration. Must maintain a 3.2 cumulative GPA and demonstrate participation in campus and/or community activities, exhibit personal growth and potential for professional success. Must not otherwise qualify for financial aid.

Contact: Chairperson, Human Ecology

NANCY SANDELIN PAISLEY AWARD

Amount: \$100

Criteria: Undergraduate in the Human Ecology major with a concentration in Food and Nutrition who has completed both Fundamentals of Organic Chemistry and Biochemistry and has high overall academic achievement, good character and potential to contribute to the profession.

Contact: Chairperson, Chemistry and Biochemistry or Human Ecology

International Students**JAMES AND ELIZABETH MILLARD SCHOLARSHIP**

Amount: Varies

Criteria: Fully matriculated full-time undergraduate or graduate students in good academic standing who have come from the West Indies to study at MSU. Financial need will be a consideration in the awarding of this scholarship. Preference will be given to students majoring in Broadcasting.

Contact: Director, International Student Services

Journalism**HARRY FRIEDLANDER JOURNALISM AWARD**

Amount: Two-\$100 awards

Criteria: Students who show outstanding performance in the study or practice of journalism.

Contact: Coordinator, Journalism Program

J. RAYMOND PAUL JOURNALISM AWARD

Amount: \$750

Criteria: Students who have completed nine credit hours toward a declared journalism minor and shown outstanding performance in the study and practice of journalism.

Contact: Coordinator, Journalism Program

Legal Studies**DR. HARRY BALFE II SENIOR AWARD**

Amount: Varies

Criteria: Senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.

Contact: Chairperson, Legal Studies

Management**ATOCHEM NORTH AMERICAN AWARD**

Amount: Varies

Criteria: Senior management major who exhibits scholarly performance and leadership potential.

Contact: Chairperson, Management

AUSTIN DRUKKER SCHOLARSHIP

Amount: Varies

Criteria: Students who exhibit acceptable academic performance and contribute significantly to the department, school, university and/or society.

Contact: Chairperson, Management

Mathematical Sciences**MAX A. SOBEL FELLOWSHIP**

Amount: Amount and frequency varies.

Criteria: Graduate student in mathematics education nominated by mathematics education faculty.

Contact: Chairperson, Mathematical Sciences

AUDREY VINCENTZ LEEF SCHOLARSHIP

Amount: Varies

Criteria: Fully matriculated full-time or part-time undergraduate or graduate students in good academic standing who are enrolled in at least one mathematics course at any level.

Contact: Chairperson, Mathematical Sciences

JOHN C. STONE FUND

Amount: Varies

Criteria: Recommendation of Mathematical Sciences Department faculty with chairperson's approval; mathematics or computer science major.

Contact: Chairperson, Mathematical Sciences

Media**EMANJ GRADUATE STUDY SCHOLARSHIP IN EDUCATIONAL MEDIA**

Amount: \$500 (two scholarships)

Criteria: Graduate media student, New Jersey

Contact: Educational Media Association of New Jersey
Ms. Anita Sawczuk
The Old Turnpike School
Califon, NJ 07830
(908) 439-2010

EMMA FANTONE MEDIA GRANT

Amount: Varies (provides for attendance at media conference)

Criteria: Student interested in a career in media.

Contact: Associate Director, Media Center

Merit-Based Scholarships**ANTHONY M. DINALLO AND ROBERT J. DINALLO SCHOLARSHIPS**

Amount: Varies

Criteria: To financially assist two full-time incoming undergraduate students enrolled in a program of study at Montclair State University. Recipients must be in good academic standing.

Contact: Director, Admissions

LARRY DOBY SCHOLARSHIP—NJ NETS

Amount: Varies

Criteria: Academically talented graduate of Montclair or Paterson Eastside high schools.

Contact: Director, Admissions

RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP

Amount: \$500

Criteria: Full-time students who have been accepted in a study abroad program sponsored by the University. Recipients must be in good academic standing at time of application and have completed two semesters of study at MSU.

Contact: Director, International Studies

THE INTDR TECHNOLOGY SCHOLARSHIP

Amount: \$500

Criteria: Must be a full-time student in any school/department at MSU. Must have a 3.2 GPA at the time of application. Only for second semester freshmen, sophomores, and juniors.

Contact: Director, Financial Aid

THE JAMES P. KEENEN III/JOSEPH T. MOORE/ANITA UHIA/CONSTANCE WALLER SCHOLARSHIP ENDOWMENT

Amount: Varies

Criteria: Enrolled full-time students in good academic standing. Sponsored by the American Federation of Teachers Local 1904.

Contact: Administrator, AFT Local 1904

MICHAEL & MARGARET JUDGE MORRIS SCHOLARSHIP

Amount: Varies

Criteria: Incoming freshman who graduated from either Brick or Brick Memorial high schools with the highest SAT score.

Contact: Director, Admissions

DONALD L. MULFORD MEMORIAL SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time undergraduates who have graduated from one of the four high schools based in Montclair. Preference given to incoming freshmen.*

Contact: *Director, Community Relations*

SCHIERING PLOUGH FOUNDATION SCHOLARSHIP

Amount: *\$10,000*

Criteria: *Recipient must be enrolled at Montclair State University and maintain high standards of academic achievement, character and contribute to the community through extra-curricular involvement, service and leadership. Student must demonstrate financial need.*

Contact: *Director, Admissions*

JOHN AND IRMA SHEFFMAN SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time, fully matriculated undergraduate students in good academic standing.*

Contact: *Director, Honors Program*

**HARRY S. TRUMAN SCHOLARSHIP -
GOVERNMENT SERVICE LEADERSHIP DEVELOPMENT**

Amount: *Varies (maximum \$5,000 a year for up to 4 years)*

Criteria: *A merit-based scholarship awarded at the end of sophomore year to a student anticipating government service.*

Contact: *Director, Honors Program*

Music**MARDEN BATE SCHOLARSHIP**

Amount: *Varies*

Criteria: *Gifted voice students enrolled in MSU's Music Department*

Contact: *Chairperson, Music*

**FRANK AND LYDIA BERGEN SCHOLARSHIP HONORING JEAN
HOOPER**

Amount: *\$5,000*

Criteria: *Talented music students with financial need pursuing careers in music.*

Contact: *Chairperson, Music*

LARRY A. FRANK MUSIC SCHOLARSHIP

Amount: *Varies*

Criteria: *Music student who shows promise as a music educator, performer, therapist, composer, theorist or historian.*

Contact: *Chairperson, Music*

ANNA LAURA HANSEN-GRIFFITH PIANO SCHOLARSHIP

Amount: *Varies*

Criteria: *Music student studying piano.*

Contact: *Chairperson, Music*

JEANNE HENINGBURG SCHOLARSHIP

Amount: *Varies*

Criteria: *Prospective or currently enrolled African-American student majoring in music, dance or theatre. Cumulative GPA of 3.0 in major.*

Contact: *Dean, School of the Arts*

HOWE SCHOLARSHIP

Amount: *Varies*

Criteria: *Music major who shows ability and interest.*

Contact: *Chairperson, Music*

EDNA McEACHERN MUSIC FUND

Amount: *Varies*

Criteria: *Music students who demonstrate financial need, musicianship and a contribution to the department.*

Contact: *Chairperson, Music*

WARD MOORE MEMORIAL MUSIC SCHOLARSHIP FUND

Amount: *\$500*

Criteria: *Full-time undergraduate student preparing for a career in music (teaching or performing), in good academic standing and has completed at least two semesters at MSU.*

Contact: *Chairperson, Music*

MORSE ESTATE SCHOLARSHIP FUND

Amount: *Varies*

Criteria: *Full-time undergraduate majoring in music who shows interest and ability.*

Contact: *Chairperson, Music*

LUCILE OLIVA MUSIC SCHOLARSHIP

Amount: *\$250*

Criteria: *Full-time, junior and/or senior students enrolled in Music Department with a cumulative GPA of 3.0 or higher with a significant achievement as a music student and potential success in the field of music.*

Contact: *Chairperson, Music*

DAVID OTT SCHOLARSHIP

Amount: *\$500*

Criteria: *Fully matriculated upper level undergraduate and/or post-baccalaureate students enrolled in the Music Therapy Program.*

Contact: *Coordinator, Music Therapy Program*

**MARYANN PEINS MEMORIAL PIANO SCHOLARSHIP IN
HONOR OF HER FATHER, RUDOLPH M. PEINS**

Amount: *Varies*

Criteria: *Talented and gifted incoming freshman enrolled as a full-time music major studying piano, who shows promise as a performer, composer, or therapist with potential for professional success.*

Contact: *Chairperson, Music*

OSCAR RAVINA TALENT GRANT

Amount: *Varies*

Criteria: *Outstanding, full-time freshmen studying string instruments.*

Contact: *Professor Oscar Ravina, Music*

CAROL H. WASSERMAN PIANO SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time undergraduate piano majors.*

Contact: *Chairperson, Music*

Philosophy and Religion**GEORGE BRANTL SCHOLARSHIP**

Amount: *\$1,000*

Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Philosophy and Religion*

**MARYANN PEINS MEMORIAL RELIGION SCHOLARSHIP IN
HONOR OF HER GRANDMOTHER, KATHERINE SOHASKI
HANKO**

Amount: *Varies*

Criteria: *Full-time female undergraduate Religious Studies major. Must demonstrate favorable academic standing, personal growth participation in campus and/or community activities, and professional potential.*

Contact: *Chairperson, Philosophy and Religion*

LARRY STANTON SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Philosophy and Religion*

ROBERT F. STREETMAN SCHOLARSHIP

Amount: *\$1,000*

Criteria: *Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.*

Contact: *Chairperson, Philosophy and Religion*

Physical Education**PAUL P. BOGATKO SCHOLARSHIP**

Amount: *Varies*

Criteria: *A graduate of East Side High School, Newark, NJ, who is in good academic standing in the field of physical education. Must show financial need.*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

MARGARET C. BROWN SCHOLARSHIP

Amount: *\$250*

Criteria: *Sophomore/second year physical education major with highest cumulative average. Must reflect professional ideals through leadership, service or participation in professional physical education activities on- or off-campus (i.e., conferences, workshops, conventions).*

Contact: *Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies*

JOSEPH PAUL CERES SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year or junior female gymnast with exceptional ability and leadership in gymnastics.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

CAROLE DONOVAN AWARD

Amount: Varies

Criteria: Health Education or Allied Health major in good academic standing, who has demonstrated commitment to the health community, is service oriented, and plans to continue in the health field.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

NICHOLAS CICCONI SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year or junior physical education major with skill in motivating older adults to keep fit through movement activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

KATHERINE EATON SCHOLARSHIP

Amount: \$200

Criteria: Sophomore/second year or junior physical education major in teacher education program who exhibits professional excellence scholastically and in personal conduct.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SUE FULLER MEMORIAL SCHOLARSHIP

Amount: \$500 approximately

Criteria: Junior female in physical education who has exhibited outstanding contributions through service to athletics (i.e., manager, publicity, statistician).

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GERALD A. GARAFOLA SCHOLARSHIP

Amount: \$250

Criteria: Physical education sophomore/second year with a minimum cumulative GPA of 2.8, who has made distinguished contributions and shown leadership in department activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

A. J. GORTON SCHOLARSHIP

Amount: \$100

Criteria: Junior who maintains high performance level in physical education activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

VINCENT, DOROTHY AND TERESA FARRELL SCHOLARSHIP

Amount: Varies

Criteria: Freshmen/first year who demonstrates high academic achievement and are active in department activities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GIARDINA AWARD FOR EXCELLENCE IN PRE-SERVICE TEACHING

Amount: Varies

Criteria: MAT candidate with a concentration in physical education or health who demonstrates exceptional skill in pre-service teaching experience and/or requirements. Minimum of a 3.0 GPA.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ASHLEY HAMMOND SCHOLARSHIP

Amount: \$150

Criteria: A female physical education major.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SCOTT AND DOROTHEA HARRIS SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year with minimum cumulative GPA of 3.0. Must be good citizens of their schools and communities and offer the promise of being successful physical education teachers.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE FANNIE DIENER HONIGFELD SCHOLARSHIP

Amount: \$250

Criteria: Students who exhibit effective leadership in department organizations and provide service to meet departmental needs when requested.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GEORGE HORN AWARD

Amount: Varies

Criteria: Male student, in good academic standing, who demonstrates leadership, team spirit and a desire to make a positive contribution to society.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE ETHEL SIMPSON LENKOWSKY '37 SCHOLARSHIP

Amount: Varies

Criteria: Junior physical education major who has an academic record of high quality. Must exhibit financial need.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DEAN MARTINO MEMORIAL SCHOLARSHIP

Amount: \$100

Criteria: Junior physical education major who demonstrates a willingness to give time to others.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOSEPH NERENBERG SCHOLARSHIP

Amount: \$100

Criteria: Freshman/first year physical education major who best represents sportsmanship as well as good scholarship.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

HARRY NOWICK SCHOLARSHIP

Amount: Varies

Criteria: Presented to a male student majoring in physical education.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ROGER M. PALMISANO AWARD

Amount: \$100

Criteria: A male student in good academic standing with a cumulative average of at least 2.5.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER ALUMNI SCHOLARSHIP

Amount: \$200

Criteria: Freshman/first year physical education major with highest scholastic average who best exhibits evidence of professional competence.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT ASSOCIATION ADAPTED PHYSICAL EDUCATION AWARDS

Amount: Varies

Criteria: Students who demonstrate exceptional service and qualities of leadership, understanding and creativity while fulfilling practicum assignments in the adapted area.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT SERVICE AWARD

Amount: \$50 Bond

Criteria: Student in good academic standing, who has provided outstanding leadership and service to the Panzer Student Association

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER TRUST FUND

(3 incentive scholarships)

Amount: \$200

Criteria: Freshmen/first year entering Montclair State in the fall. Three scholarships will be obtainable:

1. Physical Education major
2. Recreation and Leisure Studies major
3. Health Careers major

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER TRUST INCENTIVE SCHOLARSHIP

Amount: \$200

Criteria: For the recreation major who has been accepted for graduate work at a college or university.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELVERA DE MUTH PERKINS SCHOLARSHIP

Amount: \$200

Criteria: Freshman/first year Physical Education major who offers the most promise for making positive contributions to the field of physical education. Must show financial need.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELYSIA PHILIPP SCHOLARSHIP

Amount: Varies

Criteria: Student who exhibits financial need to continue higher education in the Department of Health Professions, Physical Education, Recreation, and Leisure Studies.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SUE SIEGAL RITZ SCHOLARSHIP

Amount: Varies

Criteria: Junior or senior Physical Education student who has shown acceptable academic achievement and demonstrates exceptional ability in working with handicapped students.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SYDNEY B. ROTHBARD SCHOLARSHIP FUND

Amount: Varies

Criteria: Full-time, undergraduate student majoring in physical education who has a cumulative grade point average of 3.0 or higher. Recipients must exhibit good sportsmanship and an understanding of teamwork.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ROSE POPKIN SIMON '19 SCHOLARSHIP

Amount: \$100

Criteria: Physical Education major who exhibits creativity and beauty of movement in dance.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

BETTY SOMMER AWARD

Amount: \$100

Criteria: A Physical Education, major studying movement education at MSU.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DR. RICHARD W. TEWS AWARD

Amount: \$50

Criteria: Student with minimum cumulative GPA of 2.75 who contributes to physical education through services in the Panzer Student Association.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THOMAS THOMAS SCHOLARSHIP

Amount: \$100

Criteria: Two junior Physical Education majors who have shown interest and skill in working with individuals who possess development disabilities.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

CATHY VAYIANOS COACHES AWARD

Amount: \$150

Criteria: Female student who demonstrates leadership and the willingness to learn.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DR. HAZEL WACKER AWARD

Amount: Varies

Criteria: A student majoring in Physical Education, Recreation or Health who gives documented volunteer service to an off-campus community group, organization, or institution.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

WESTON-BROWN SCHOLARSHIP

Amount: Varies

Criteria: Sophomore/second year Physical Education student who has the highest cumulative average and reflects some of Dr. Brown's professional ideals through leadership, service or participation in professional Physical Education activities on- or off-campus (i.e., conference, workshop, convention).

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

Physics**RICHARD HODSON SCHOLARSHIP**

Amount: \$100

Criteria: Outstanding undergraduate physics major.

Contact: Coordinator, Physics

PHYSICS AWARD

Amount: \$100

Criteria: Outstanding undergraduate physics major.

Contact: Coordinator, Physics

Political Science**J. S. GANG SCHOLARSHIP**

Amount: Varies

Criteria: Economics or political science students remaining at MSU for their upper division work. Must exhibit financial need.

Contact: Chairperson, Political Science

Psychology**WILLIAM DORTCH, JR. SCHOLARSHIP**

Amount: \$700

Criteria: Freshman psychology majors with a minimum "C" high school average, as well as matriculated students who demonstrate financial need and potential contribution to the field of human development.

Contact: Chairperson, Psychology

NANCY DRAPER EMERGENCY LOAN FUND

Amount: Varies

Criteria: To provide emergency loans to fully matriculated students majoring in psychology.

Contact: Chairperson, Psychology

ORPHA M. LUTZ LOAN FUND

Amount: Varies

Criteria: Psychology majors.

Contact: Chairperson, Psychology

JEROME M. AND CINDY SEIDMAN AWARD FOR EXCELLENCE IN PSYCHOLOGY

Amount: \$100 each

Criteria: Graduating male and female psychology majors with the highest cumulative grade point averages. In the event of a tie, selection based on service to school and community.

Contact: Chairperson, Psychology

Recreation and Leisure Studies**OUTSTANDING COMMERCIAL RECREATION/TOURISM AWARD**

Amount: \$25 and certificate

Criteria: Commercial recreation/tourism graduating senior who demonstrates excellence in scholarship, co-curricular activities, work experiences and research projects.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

RUBY AND CARL SAYERS MEMORIAL AWARD

Amount: Varies

Criteria: Therapeutic recreation student with a minimum cumulative GPA of 3.0 who has demonstrated efforts through exemplary volunteer work experience or internships with special populations.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

WRITING AS THERAPY SCHOLARSHIP

Amount: Varies

Criteria: Junior or senior with an interest in writing or who possesses other communication skills that apply to a career in recreation therapy.

Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

School of the Arts

JOHN AND ROSE CALI SCHOLARSHIP FOR THE ARTS

Amount: Varies
Criteria: Perspective or currently enrolled full-time or part-time undergraduate or graduate students enrolled in the School of the Arts. Must have a minimum GPA of 2.5.
Contact: Dean, School of the Arts

COSMOPOLITAN CLUB OF MONTCLAIR SCHOLARSHIP

Amount: Varies
Criteria: Full-time undergraduate or international graduate student majoring in a program offered through the School of the Arts.
Contact: Dean, School of the Arts

DONALD AND JUDITH MILLER SCHOLARSHIP FOR FINE ARTS

Amount: Varies
Criteria: Perspective or currently enrolled full-time undergraduate or graduate African American and Latino students enrolled in the Art and Design department of the School of the Arts. Must have minimum cumulative GPA of 2.5 at the time of application.
Contact: Dean, School of the Arts

ELLEN MOHAMMED SCHOLARSHIP

Amount: \$500
Criteria: Full-time African-American undergraduate majoring in fine arts, minimum GPA of 2.0.
Contact: Ellen Mohammed Scholarship Committee, c/o Dean, School of the Arts

ARTHUR NEWMAN MEMORIAL FUND

Amount: Varies
Criteria: Undergraduate or graduate students enrolled in programs offered through MSU's School of the Arts to participate in programs or activities which will provide professional development in the arts.
Contact: Dean, School of the Arts

SCHOOL OF THE ARTS SCHOLARSHIP/TALENT GRANT

Amount: Varies
Criteria: Full-time students majoring/minoring in a program in the School of the Arts. Must be enrolled in a department within the School. Undergraduates must have a minimum GPA of 2.5.
Contact: Dean, School of the Arts

CENTO AMICI SCHOLARSHIP

Amount: \$500
Criteria: Full-time undergraduate student majoring in a program offered by the School of the Arts.
Contact: Dean, School of the Arts

School of Humanities and Social Sciences

JANET HOLT SCHOLARSHIP

Amount: \$1,000
Criteria: Full-time undergraduate student majoring in a field of study within the School of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.
Contact: Chairperson, Philosophy and Religion

Second Careers

RALPH P. LASALLE SCHOLARSHIP

Amount: \$100
Criteria: Part-time student, 50 years or older, enrolled in a degree program.
Contact: Director, Center for Adult Learning

HELEN M. PURCELL SCHOLARSHIP FUND

Amount: \$500
Criteria: Female part-time student in the Second Careers program over the age of 35, who works at least 25 hours per week and has attained no more than an associates degree from an accredited institution. Recipient must have a 3.25 cumulative grade point average at the time of application.
Contact: Director, Center for Adult Learning

ALICIA PAREHA SAVAGE SCHOLARSHIP FOR ADULT STUDENTS

Amount: \$100
Criteria: Undergraduate student, 25 years old or older, who has earned a minimum of six credits in MSU Second Careers Program, minimum GPA of 2.5.
Contact: Director, Center for Adult Learning

ALICIA P. SAVAGE MSU ASL ADULT SCHOLASTIC ACHIEVEMENT FUND

Amount: \$600
Criteria: Matriculated undergraduate, 25 years or older, enrolled in at least 6 semester hours for the semester they are awarded and has a minimum cumulative GPA of 2.5.
Contact: Director, Center for Adult Learning

Service-Learning

EDWARD LESHOWITZ URBAN INITIATIVE AWARD

Amount: \$500 for tuition and fees
Criteria: Currently enrolled MSU students who have successfully participated in a community service project that helped solve an urban problem during the last two years.
Contact: Director, Service-Learning

Spanish/Italian

TERESA DE ESCORIZA SCHOLARSHIP

Amount: Varies
Criteria: Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need.
Contact: Chairperson, Spanish/Italian

JOANNE ENGELBERT SCHOLARSHIP FOR ACHIEVEMENT IN TRANSLATION

Amount: \$500
Criteria: Full-time or part-time students with a translating concentration in the Department of Spanish/Italian with a cumulative GPA of 2.75 and a minimum of 3.0 in the Translation Concentration. Based on academic achievement. Financial need of candidate will be considered.
Contact: Chairperson, Spanish/Italian

ITALIAN CLUB SCHOLARSHIP

Amount: Varies
Criteria: Interest in Italian culture or language, to further education here or abroad; must have good scholastic average; letter of recommendation; and some financial need.
Contact: Spanish/Italian Department or Italian Club

ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI SCHOLARSHIP FOR ITALIAN CULTURE

Amount: Varies
Criteria: Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.
Contact: Director, Siena Study Abroad Program

SARA PRIETO SCHOLARSHIP

Amount: Varies
Criteria: Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need, specifically for study abroad.
Contact: Chairperson, Spanish/Italian

Special Education

MIANO GRADUATE SPECIAL EDUCATION SCHOLARSHIP

Amount: \$1,000
Criteria: Graduate student enrolled in a program leading to work with children who have Pervasive Developmental Disorders. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.
Contact: Director, Psychoeducational Center

Study Abroad

THE RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP

Amount: \$500
Criteria: Full-time, undergraduate students registered in a study abroad program sponsored by MSU. Recipient must be in good academic standing and must have completed at least two semesters of study at MSU.
Contact: Director, Global Education

MARGARET B. HOLZ SCHOLARSHIP

Amount: \$200 - \$1,000
Criteria: Study in a field of modern language outside the United States.
Contact: Chairperson, Classics and General Humanities

**ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI
SCHOLARSHIP FOR ITALIAN CULTURE**

Amount: *Varies*

Criteria: *Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.*

Contact: *Director, Siena Study Abroad Program*

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP

Amount: *28,000 Austrian Schillings (about \$1,700), plus room, health insurance and 20-day pass on Austrian National Railway.*

Criteria: *Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.*

Contact: *Chairperson, French. Apply during early spring semester.*

Theatre and Dance

WILLIAM A. BALLARE SCHOLARSHIP

Amount: *Varies*

Criteria: *Full-time speech and theatre major enrolled in the Teacher Certification Program with a cumulative GPA of 3.0. Demonstrate outstanding teaching potential.*

Contact: *Chairperson, Theatre and Dance*

DESIGN/PRODUCTION AWARD

Amount: *\$200*

Criteria: *Full-time undergraduate involved in the Design/Production Program with a minimum cumulative GPA of 2.0.*

Contact: *Chairperson, Theatre and Dance*

THE DANCE SCHOLARSHIP

Amount: *Varies*

Criteria: *Outstanding dance student chosen on basis of potential, contribution and talent.*

Contact: *Chairperson, Theatre and Dance*

JEANNE HENINGBURG SCHOLARSHIP

Amount: *Varies*

Criteria: *Prospective or currently enrolled African-American student majoring in music, dance or theatre with a cumulative GPA of 3.0 in his/her major.*

Contact: *Chairperson, Theatre and Dance*

ELLEN KAUFFMAN TRAVEL GRANT FUND

Amount: *Varies*

Criteria: *Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.*

Contact: *Chairperson, Theatre and Dance*

MARK MATTALIANO SENIOR ACTING AWARD

Amount: *Varies*

Criteria: *Senior male and female undergraduates majoring in theatre. Must possess superior acting talent, demonstrate growth in acting ability and provide evidence of professional commitment and potential.*

Contact: *Chairperson, Theatre and Dance*

**DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN
THEATRE**

Amount: *\$100*

Criteria: *Theatre junior, senior or graduate student with a minimum GPA of 3.0 in theatre courses who has given high-quality performances, demonstrated professional potential and has shown evidence of continued development.*

Contact: *Chairperson, Theatre and Dance*

DENNIS K. McDONALD MEMORIAL SCHOLARSHIP

Amount: *\$300*

Criteria: *Freshman pursuing Bachelor of Fine Arts in theatre. Award based on required admission audition and exhibited academic competence.*

Contact: *Chairperson, Theatre and Dance*

**MARYANN PEINS MEMORIAL DANCE SCHOLARSHIP IN
HONOR OF HER MOTHER, MARIE HANKO PEINS**

Amount: *Varies*

Criteria: *Outstanding female undergraduate dance student chosen on basis of talent, contribution and potential. Must demonstrate favorable academic standing, continued development and potential for professional success.*

Contact: *Chairperson, Theatre and Dance*

THE SPEECH AND THEATRE SCHOLARSHIP FUND

Amount: *Varies*

Criteria: *Students within the Departments of Broadcasting, Communication Studies, Theatre and Dance who exhibit financial need.*

Contact: *Chairperson, Theatre and Dance*

Upward Bound

JOHN G. REDD SCHOLARSHIP

Amount: *\$100*

Criteria: *Full-time undergraduate who is a former participant in the Upward Bound Program.*

Contact: *Director, Intra-Collegiate Academic Programs*



ADMINISTRATION AND FACULTY

UNIVERSITY BOARD OF TRUSTEES

GEORGE J. HILTZIK, Chair
ROBERT A. ALTMAN
JULIE BETZ, Student
SUSAN L. BLOUNT
BRADLEY S. BREWSTER
ROSE C. CALI
MURRAY L. COLE
DOUGLAS L. KENNEDY
CARLOS G. ORTIZ
PRESTON D. PINKETT III
WAYNE J. POSITAN
JONATHAN R. SPICEHANDLER
IRA A. WALKER
SCOTT R. WILLIAMS
Non-voting
SUSAN A. COLE, President
KRISTIN SHERNOFF, Student
Faculty Representative
LESLIE WILSON

OFFICERS OF THE UNIVERSITY

SUSAN A. COLE, Ph.D., President
RICHARD A. LYNDE, Ph.D., Provost and Vice
President for Academic Affairs
HARRY P. SCHUCKEL, M.B.A., Senior Vice
President for Administration
DONALD D. CIPULLO, B.B.A., C.P.A., Vice
President for Finance and Treasurer
JUDITH E. HAIN, M.S., Vice President for
Human Resources
THOMAS J. HAYNES, Ph.D., Vice President for
University Advancement
KAREN L. PENNINGTON, Ph.D., Vice
President for Student Development and
Campus Life
VALERIE L. VAN BARREN, J.D., University
Counsel

ACADEMIC DEANS

ADA BETH CUTLER, Ed.D., Dean, College of
Education and Human Services
JUDITH LIN HUNT, D.L.S., Dean, Library
Services
CARLA M. NARRETT, Ph.D., Dean, Graduate
School
GEOFFREY W. NEWMAN, Ph.D., Dean, School
of the Arts
ALAN J. OPPENHEIM, Ph.D., Dean, School of
Business
MARY A. PAPA ZIAN, Ph.D., Dean, College of
Humanities and Social Sciences
ROBERT S. PREZANT, Ph.D., Dean, College of
Science and Mathematics

PRESIDENT'S DIVISION

SUSAN A. COLE, Ph.D., President
GABRIELLE CHARETTE, J.D., Director,
Government Relations
LISE GREENE, Ph.D., Executive Assistant to the
President and Board of Trustees
VALERIE L. VAN BAAREN, J.D., University
Counsel

ACADEMIC AFFAIRS

RICHARD A. LYNDE, Ph.D., Provost and Vice
President for Academic Affairs
JOAN C. FICKE, Ed.D., Associate Vice President
for Academic Affairs for Personnel and
Resource Planning
JUDITH E. MINIER, Ed.D., Associate Vice
President for Academic Affairs for
Curriculum and Instruction
MARY COLON, M.A., Administrative
Coordinator

BARBARA A. RITOLA, B.A., Program Assistant
Academically Gifted/Talented Youth Programs
STEVEN NASH, M.A., Interim Director

Center for Community-Based Learning

FREYDA LAZARUS, Ed.D., Director
BRYAN MURDOCK, M.P.A., Associate Director
ELAINE RUSSO, M.A., Assistant Director
BEVERLY VERVERS, M.A., Assistant Director
BARBARA TURNER, M.A., Coordinator

College of Education and Human Services

ADA BETH CUTLER, Ed.D., Dean
PERRY E. GREENE, Ph.D., Associate Dean
LESLIE E. JENKINS, M.A., Assistant Dean
ANTHONY W. LAZROE, MA., Development
Coordinator

KEVIN TIGHE, M.A., Technology Coordinator

Center of Pedagogy

JENNIFER ROBINSON, Ed.D., Interim
Director

CAROLINE MURRAY, M.A., Assistant
Director

SCOTTA VAN DROSS, B.A., Program
Specialist

BRENDA SHEEHAN, B.A., Doctoral
Program Coordinator

To Be Announced, Urban Teaching Academy
Director

LINDA GONZALEZ, M.A., Director,
Teacher Admissions

ADRINA A. CHRISTIANO, M.A., Program
Admissions Specialist

JAIME GRINBERG, Ph.D., Co-Director,
NJNER

BARBARA M'GONIGLE, M.S., M.A., Co-
Director, NJNER

TINA JACOBOWITZ, Ph.D., Director,
Agenda for Education in a Democracy

GREGG FESTA, B.A., Director, Curriculum
Resource Center

BARICE WILLIAMSON, M.S.W., Interim
Director, Teacher Education Advocacy
Center

JENNY FORMENTIN, B.A., Program
Assistant

RUTH ZERWITZ, M.Ed., Counselor, TEAC
Child Care Center

JANEY De LUCA, M.A., Director

LUCY DE LA HOZ, B.A., Teacher

PATRICIA FDYFIL, B.A., Teacher

DANA PURCEL-PALIMIERI, B.A., Teacher

JANINA BARWICK, Teacher Assistant

ANDREA DOMINKO, B.A., Teacher
Assistant

YVETTE ROSARIO, B.A., Teacher Assistant

ALMIDA HERNANDEZ, Administrative
Assistant, Outreach Coordinator

Institute for the Advancement of Philosophy for Children

MAUGHN GREGORY, Ph.D., Director

ANN MARGARET SHARP, Ed.D.,
Associate Director

JOANNE MATKOWSKI, B.S., Assistant
Director

Literacy Enrichment Center

LINDA WISE, Ed.D., Director

Psychoeducational Center

ANTOINETTE SPIOTTA, M.A., Director

SUSAN JAGER, M.A., Co-coordinator of
Early Intervention Program

LISA BALZANO, M.A., Co-coordinator of
Early Intervention Program

College of Humanities and Social Sciences

MARY A. PAPA ZIAN, Ph.D., Dean
WILLIAM ROSA, Ph.D., Associate Dean
DOROTHY ROGERS, Ph.D., Associate Dean
CARLOS M. ORTIZ, M.A., M.F.A.,
Administrative Assistant

Center for Archaeological Studies

STANLEY WALLING, Ph.D., Director

Center for Child Advocacy

ROBERT MCCORMICK, Ph.D., Director

Coccia Institute for the

Italian Experience in America

GINA MIELE, Ph.D., Director

Communication Disorders Center

ELAINE HITCHCOCK, M.A., Coordinator

ELIZABETH GIUFFRIDA, M.S., Clinic
Supervisor

Hispanic Institute

ROBERT MCCORMICK, Ph.D., Director

Institute for Community Studies

GERALD KLOBY, Ph.D., Coordinator

Institute for the Humanities

TIMOTHY RENNER, Ph.D., Director

Language Learning Technology

MICHAEL HELLER, M.A., Director

Language Placement Testing

JESSICA BRANDT, M.A., Coordinator

Non-Credit ESL Program

Tina Bollettieri, M.A., Director

Technology Services

ALAN J. KELTON, M.A., Director

College of Science and Mathematics

ROBERT S. PREZANT, Ph.D., Dean
MICHAEL A. KRUGE, Ph.D., Associate Dean
JINAN JABER-LINSALATA, Ph.D., Assistant
Dean

Health Careers Program

DONNA LORENZO, M.S., Director
R. MARIE WASHINGTON, M.A., Academic
Advisor/Counselor

SERENA SMITH, M.A., Recruiter/
Administrative Assistant

MARIA A. TORRES, B.S., Assistant
Director, Upward Bound

New Jersey School of Conservation

WILLIAM THOMAS, Ph.D., Director

NICHOLAS SMITH-SEBASTO, Ph.D.,
Associate Director

Professional Resources in Science and Mathematics

JACALYN G. WILLIS, Ph.D., Director

Scientific Computing

JOSEPH YOUN, IT Coordinator

Global Education Center

MARINA CUNNINGHAM, Ph.D., Director

JACQUELINE LEIGHTON, M.A., Director,
International Services

WENDY GILBERT-SIMON, M.A., Global
Program Coordinator

TRACY HOGAN, M.A.T., Study Abroad
Advisor

ADITI PATEL, B.S., New Student Advisor

PATRICIA TOROK, B.A., International Student
Advisor

Graduate School and Research

CARLA M. NARRETT, Ph.D., Dean

Graduate School

KRISTIN E. COHEN, Ed.M., Associate Dean

KIM O'HALLORAN, Ed.M., Assistant Dean

Research and Sponsored Programs

TIM KIRBY, M.P.A., Director
CHARLOTTE KIEWIET, B.A., Assistant
Director
CHRISTINE SCHROERS, B.A., Technical
Assistant

Honors Program

DAVID K. NICHOLS, Ph.D., Director

Library Services

JUDITH LIN HUNT, D.L.S., M.A., M.L.S., Dean
LUIS RODRIGUEZ, M.L.S., M.A., Associate
Dean/Public Services

MARY MALLERY Y, Ph.D., M.L.S., M.F.A.,
Associate Dean/Technical Services

FAITH RYAN, Administrative Assistant

RANDAL CAIN, B.A., Program Assistant

MEILING JOYCE CHOW, M.L.S., Cataloger

NICOLE COOKE, M.L.S., Evening Reference
Librarian, Reference and Information Services
Department

ANITA P. DANIEL, M.L.S., Head, Multimedia
Resources Department

EDUARDO GIL, M.L.S., M.A., Head,
Periodicals Department

SUXIAO HU, M.A., M.L.S., Cataloger

KATHLEEN HUGHES, M.A., M.L.S., Head,
Cataloging Department

LAURA LEVY, M.L.S., Head, Circulation
Department

CHUNG-HEI LONE, M.L.S., Cataloger

CAROL L. NURSE, M.L.S., Librarian, Reference
and Information Services Department

KEVIN PRENDERGAST, M.L.S., Interlibrary
Services Coordinator, Reference and
Information Services Department

PATRICIA SANDERS, M.L.S., Head, Reference
and Information Services Department

JOYCE SCHAFFER, M.L.S., Head, Government
Documents Department

STEVEN D. SHAPIRO, M.A., M.L.S., Electronic
Resources Librarian

NORMAN STOCK, M.L.S., M.A., Head,
Collection Development/Acquisitions
Department

THOMAS TRONE, M.A., M.L.S., Reference
Librarian, Reference and Information Services
Department

WILLIAM VINCENTI, M.L.S., Reference
Librarian, Reference and Information Services
Department

School of the Arts

GEOFFREY W. NEWMAN, Ph.D., Dean

RONALD L. SHARPS, Ph.D., Associate Dean

LINDA DAVIDSON, M.F.A., Assistant Dean,
Student Services

MARIE SPARKS, B.A., Administrative Assistant
JULIAN ROBINSON, B.S., Technology
Coordinator

ZACRAH BATTLE, B.F.A., School
Administrator

Art and Design

LYNDA HONG, B.A., Image Librarian

Art Gallery

TERESA RODRIGUEZ, M.F.A., Director

Audience Services

ROBERT HERMIDA, B.A., Director

Broadcasting

PATRICIA PIROH, M.A., Producer/Director

DuMont Television Center

JOHN F. DIGLIO, M.A., Director

PETER GUTHEIL, Chief Engineer

JEFFREY JONES, A.A., Television Engineer

Memorial Auditorium

GENE LOTITO, MA., Supervisor

Music

GINA BALESTRACCI, B.Mus.,
Administrative Assistant

Preparatory Center for the Arts

RUTH RENDLEMAN, Ed.D., Director

MARLA MEISSNER, Ph.D., Assistant
Director

Theatre and Dance Series

MICHAEL ALLEN, M.F.A., Director

TheatreFest

JOHN WOOTEN, B.A., Artistic Director

School of Business

ALAN J. OPPENHEIM, Ph.D., Dean

KATHRYN MARTELL, Ph.D., Associate Dean

KAREN E. DENNIS, M. Phil., Assistant Dean

ROGER SALOMON, B.A., Coordinator of
Instructional Services and Technology

M.B.A. Program

EILEEN KAPLAN, Ph.D., Director

Center for International Business and**International Trade Counseling Center**

CHINNAPPA JAYACHANDRAN, Ph.D.,
Director

Summer Sessions and Special Programs

JOHN H. LEFFLER, Ed.D., Director

ADMINISTRATION

HARRY SCHUCKEL, M.B.A., Senior Vice
President

TIMOTHY R. CAREY, Ed.D., Director,
Continuous Quality Improvement, Executive
Assistant to the Senior Vice President

Budget and Planning

DAVID JOSEPHSON, M.A., Director

JANICE VUOLO, M.B.A., Assistant Director

PATTI D'ANGELO, M.B.A., Budget Analyst

DEBORAH FERNBACHER, B.S., Budget
Analyst

JOANNE GREY, B.A., Budget Analyst

MARILYNN KIND, Budget Analyst

Facilities Operations

WALTER S. WATKINS, B.Eng., C.F.M.,
M.B.A., Assistant Vice President

EVIM V. AY, M.Eng., M.B.A., Administrative
Associate for Business and Systems Support

ELAINE COOPER, B.A., Director of
Transportation and Parking Services

KIKI WILLIAMS, M.S.Ed., Director of Physical
Plant

LEONARD HUGHES, Supervisor of Central
Mail Services

MARION ZABORNEY, Supervisor, Central
Receiving

Facilities Management

SEMMY JU, M.A., Associate Vice President

KRISTIE L. O'NEILL, B.S., Executive Assistant

Architectural and Engineering Services

DOUGLAS W. COOPER, AIA, B.A.,
Director

WALTER KANZLER, AIA, M. Arch.,
Project Manager

REBECCA MIDDLETON, B.S., Project
Manager

RON PLACE, B.S., Project Manager

TAYFUN SELEN, AIA, B.S., Project
Manager

JEFFREY S. WITTNER, B.Arch., Project
Manager

Environmental Health and Safety

AMY FERDINAND, M.S., Director

Fire Safety

ROBERT FERRARA, Fire Safety
Compliance Coordinator

Finance and Treasurer

DONALD D. CIPULLO, B.B.A., C.P.A., Vice
President

SHERI WALTERS, B.S., Executive Assistant

CHARLES W. MOORE, M.B.A., Treasury
Operations Coordinator

CATHERINE RUSH, M.P.A., M.S., Director of
Financial Systems Administration

Controller

RUSSELL G. MUTER, B.A., C.P.A.,
Controller

Accounting and Financial Services

ANGELO M. PARENTE, M.B.A., Assistant
Controller

CHERI JEFFERSON, B.S., Associate
Director

HOWARD SPIVEY, B.A., Associate Director

LINDA MIOZZI, B.S.A., Assistant Director

Auxiliary Services

NANCY G. CARVER, B.A., Director

RICHARD AMMERMAN, Director,
University Store

Bursar

ELISSA LANS, M.B.A., Bursar

ELAINE VOTO, Assistant Bursar

Procurement Services

ANTONIO MEJIDO, M.B.A., M.S., Director

MICHAEL G. JACKSON, B.S., C.P.M.,
Assistant Director

CHRISTINE G. PALMA, M.P.A., Assistant
Director

JOHN J. GOSCINSKI, B.A., Buyer

DORETHA MOLLETT, B.S., Buyer

Information Technology Administration

EDWARD V. CHAPEL, Ph.D., Associate Vice
President

ARATHI NATARAJAN, M.S., Database
Administrator

JACQUELINE JONES, A.S., Business Manager

Technology Solutions Center

PATRICIA KHAN, M.B.A., Manager of
Technology Training

STACIA ZELICK, B.A., Manager Technical
Support Services

Systems, Networking and**Telecommunications**

JEFFREY GIACOBBE, M.S., Interim
Director, Systems and Security

MINTO GILL, B.S., Manager Systems,
Networks, and Telecommunications

Management Information Systems

To Be Announced), M.S., Director

Institutional Research

GURVINDER KHANEJA, Ed.D., Associate
Director

HUMAN RESOURCES

JUDITH E. HAIN, M.S., Vice President for
Human Resources

JOANNE WALSH, B.S., Position Control
Analyst

MARC SEMLER, M.A., M.S., HRS Database
Manager

Employee Benefits

JOANNE WALE, A.A.S., Coordinator

Employee Relations

GILBERT RIVERA, M.P.A., Director, and
Executive Assistant to the Vice President for
Human Resources

Equal Opportunity/Affirmative Action

BARBARA J. MILTON, M.H.S., Equal
Opportunity/Affirmative Action Officer

Organizational Development and Training

CHARLES MATTEIS, M.B.A., Director of
Organizational Development and Training

Payroll Services

ANN TURRIZIANI, Director

Staffing Services

CATHERINE BONGO, M.B.A., Director of
Unclassified Staffing

SHENITA BROKENBURR, M.B.A., M.A.,
Director of Classified Staffing

**STUDENT DEVELOPMENT AND
CAMPUS LIFE**

KAREN L. PENNINGTON, Ph.D., Vice
President for Student Development and
Campus Life

LOUIS ANDERSON, M.A., Executive Assistant
to the Vice President

MELINDA O'BRIEN, Ed.D., Director of
Divisional Research

Academic Success Center

REGINALD GALEN ROSS, Ph.D., Associate
Dean for Enrollment Management/Retention
Services

Academic Advising

RICARDO ORTEGON, M.B.A., Director
GAIL FEINBLOOM, Ed.M., Associate Director
IRIS D. BARRIERA, M.A., Advisor
YVETTE HALL, M.S., Advisor
ERIC MOSKOVITZ, Advisor

Admissions

DENNIS CRAIG, M.A., Director
FRANK C. ERDMAN, M.A., Associate Director
WILLIAM M. WELSCH, M.A., Associate
Director
LISA KASPER, M.A., Associate Director
ABIE FLIPPEN-SMITH, B.A., Assistant Director
JIMMY LUCIANO, M.P.A., Assistant Director

Campus Recreation and Intramural Programs

STEVE SMITH, M.A., Director
KEITH FONSECA, M.S., Assistant Director
ALICEA AMBURN, B.A., Fitness Coordinator

**Center for Academic Development and
Assessment**

JUAN C. MARTINEZ, Ed.D., Director
LARISA POZNAKHOVSKA, M.A., Assistant
Director/Learning Specialist
JAMAL A. SHAHIN, B.A., Administrative
Assistant

Center for Adult Learning

RICARDO ORTEGON, M.B.A., Director
NICOLE WEIR, M.A., Assistant Director
DENISE RODAK, M.A., Counselor

Dean of Students

HELEN MATUSOW-AYRES, Ed.D., Dean of
Students
JAMES E. HARRIS, M.A., Associate Dean of
Students for Student Development
MARGAREE COLEMAN-CARTER, M.A.,
Associate Dean of Students for Student Life
BYRON McCRAE, M.S., Coordinator Student
Conduit
ANDREW PIGNATARO, B.S., Coordinator/
Liaison Food Service Contracts

Educational Opportunity Fund

MICHAEL S. BROWN, SR., M.A., Director
BERTHA M. DIGGS, M.A., Associate Director
CARMEN REYES-CUEVAS, M.A., Assistant
Director
DELORES McMORRIN, J.D., Coordinator
Legal Studies-PASS

THOMAS PURYEAR, M.A., Electronic Learning
Coordinator, Counselor

DORIS V. REAVIS, M.A., Counselor, PASS
LORRAINE WHITAKER, M.A., Counselor,
Academic Advisor

**Equity and Diversity Programs/Women's
Center**

ESMILDA ABREU, M.S., Director

Financial Aid

FRANK A. CUOZZO, M.S., Director
ROBERT G. BAYLOR, M.A., Assistant Director
ZOFIA E. KOZAK, B.A., Assistant Director
LUCY CANDAL-FERNANDEZ, B.A., Financial
Aid Counselor

IFEYINWA OKOBI, B.A., Financial Aid
Counselor

LESLIE Z. SAMUELS, B.A., Financial Aid
Counselor

Veterans' Services

ROBERT BAYLOR, M.A., Assistant Director
of Financial Aid

Health and Wellness Services

SUSAN SKALSKY, M.D., Director
DONNA BARRY, M.S.N., Associate Director
BARBARA ACKERSON, R.N.
DJUANA CLARK, R.N.
MELISSA MECKA, N.P.

JACLYN FRIEDMAN-LOMBARDO, Psy.D.,
Director of Counseling and Psychological
Services

DIEDRE NARCISSE, Psy.D., Psychologist
EMILY SOMMERMAN, Psy.D., Psychologist

Service for Students with Disabilities

LINDA SMITH, M.A., Coordinator

Intercollegiate Athletics

HOLLY GERA, M.S., Director
ROBERT CHESNEY, M.A., Associate Director
ANITA KUBICKA, M.S., Assistant Director
MICHAEL J. SCALA, B.A., Director, Sports
Information

ROMAN J. USCHAK, B.A., Assistant Director,
Sports Information

To Be Announced, Head Coach, Track and Field
and Cross Country

JOHN DAVIS, M.S., Head Athletic Trainer
CYNTHIA DORMAN, B.S., Assistant Athletic
Trainer

TED FIORE, M.A., Head Coach, Men's
Basketball

ENRICO GIANCOLA, B.A., Head Coach,
Football and Assistant Coach, Baseball

BETH GOTTUNG, M.A., Head Coach, Field
Hockey and La Crosse

To Be Announced, Head Coach, Women's
Basketball

BRIAN McLAUGHLIN, M.Ed., Head Coach,
Swimming/Women's Tennis

JOSEPH MULVANEY, B.S., Facility Manager
and Camp Coordinator

RICHARD O'CONNOR, M.A., Assistant Coach,
Football/Baseball

TARA NICHOLS RIENECKER, M.Ed.,
Academic Advisor for Athletics

NORMAN SCHOENIG, B.S., Head Coach,
Baseball

BRIAN SENTOWSKI, B.A., Head Coach, Men's
Soccer

TROY SESSOMS, B.S., Equipment Manager

New Student Experience

To Be Announced, Director
DAWN MARIE DOWD, M.A., First Year
Counselor

MELISSA MERCED, M.Ed., First Year
Counselor

SUZI NAM, M.A., First Year Counselor

LAURA RYBLEWSKI, M.A., First Year
Counselor

KATHLEEN SHERMAN, M.Ed., First Year
Counselor

LESLIE LAING, B.A., Program Assistant

Registrar

DENISE M. De BLASIO, M.A., Registrar
DIANNE L. RIVETTI, M.A., Associate
Registrar

ADELE BASIL, M.A., Assistant Registrar
DINA GENOVESE-WITTNER, B.A., Assistant
Registrar

LORENZO DWAYNE HARRIS, M.A.,
Assistant Registrar

CARDIENNE McDONALD, B.A., Assistant
Registrar

EMILY-ELLEN B. MUDRYK, M.A., Assistant
Registrar

M. DEBBIE SOLOMINE, B.A., Assistant
Registrar

JENNIFER SPIEGEL-GOLDBERG, M.A.,
Assistant Registrar

Residence Life

REGINA SARGENT, M.Ed., Director
CARLYLE LAWRENCE, M.A., Associate
Director

THERESA GIARDINO, B.A., Assistant Director
for Facilities

ARIAN BRYANT, M.A., Director, Stone/
Webster

DEBORAH BURLEIGH, M.A., Director, Russ/
Freeman Complex

ROBERTA GARRETT, B.A., Director, Clove
Road Apartments

CHRISTOPHER KURETICH, M.S., Director,
Village at Little Falls

PATRICIA LELLI, M.Ed., Director, Blanton
ANDREW VOSHELL, M.B.A., Director, Bohn

Student Activities

FATIMA DeCARVALHO, M.S., Director
GREG BROWN, M.Ed., Assistant Director for
Student Activities

RICK BROWN, M.Ed., Coordinator, Student
Leadership Programs

JULIE FLEMING, B.A., Evening and Weekend
Program Coordinator

HAYDEN GREENE, B.B.A., Advisor for
Fraternities and Sororities

Student Center

MARGAREE COLEMAN-CARTER, M.A.,
Associate Dean of Students for Student Life
MARSHA CAMPBELL-YOUNG, B.S.,
Associate Director for Student Programming

University Police

PAUL CELL, B.S., Chief
BOYD LYONS, Lieutenant
MICHAEL POSTASKI, Lieutenant

UNIVERSITY ADVANCEMENT

THOMAS J. HAYNES, Ph.D., Vice President for
University Advancement
CYNTHIA LEPRE BARNES, B.A., Assistant
Vice President for University Advancement

Alumni Relations

CATHERINE KATZ, B.A., Director
DEBORAH CORASIO, B.A., Program Assistant

Career Development

CAROLYN D. JONES, M.Ed., Director
MARALYN KINCH, M.A., Assistant Director
JEANNINE PARISI, M.Ed., Employer Relations
Coordinator
ADAM MAYER, M.A., Career Counselor

Communications

PHYLLIS MILLER, M.A., Director
CINDY L. MENEGHIN, B.A., Web Manager

Community Relations and Special Events

JULIE M. ADAMS, B.A., Director

Development

NANCY HUTCHINSON, M.A., Executive
Director of Development
SARAH COMERFORD, B.F.A., Development
Officer, Corporate and Foundation Relations
CHUCK GERDON, B.A., Development
Coordinator SARTS
JEANETTE HANLEIN, B.S., Data Manager
MARK HEIMERDINGER, M.Phil., Grant Writer
JENNIFER HIGGINS, B.A., Coordinator,
Development Research
BONITA KATES, Stewardship Coordinator
BARBARA KRUSKO, B.A., Director of Annual
Giving
JUDITH MAYO, B.A., Development Coordinator
-Special Events
KAREN RAMSDEN, B.S., Assistant Prospect
Researcher
ULLYSSES TUCKER, Jr., M.A., Telefund
Manager

Montclair State University Foundation

ANA M. GOMEZ, B.A., Advancement Services
Specialist
WILLIAM LESCHUK, B.S., Foundation
Accountant

Public Information

ROBERT QUARTERONI, M.A., Director
DIANA St. LIFER, B.A., Director of Periodicals
MICHAEL PETERS, A.A.S., University
Photographer

Publications

GARRY RIDEOUT, B.A., Director
ANN GEL FAIRLIE, B.A., Assistant Director
BILL VALLADARES, B.A., Copy Editor

Sports Information

MICHAEL J. SCALA, B.A., Director, Sports
Information
ROMAN J. USCHAK, B.A., Assistant Director,
Sports Information

ACCOUNTING, LAW, AND TAXATION

FRANK J. AQUILINO, M.B.A., B.B.A., St.
John's University; C.P.A., State of New York
CHIAHO CHANG, Ph.D., New York University;
M.S., University of Illinois; B.S., National
Taiwan University (Taiwan)
IRENE K. DOUMA, Ph.D., Baruch College,
CUNY; M.B.A., Rutgers, The State
University; B.S. (Accounting), B.S.
(Secondary Education), Fairleigh Dickinson
University; C.P.A., State of New Jersey
NASHWA GEORGE, Ph.D., M.B.A., Baruch
College; M.A. Cairo University (Egypt)
BEIXIN LIN, Ph.D., M.B.A., Rutgers, The State
University; B.A., Xiamen University (China)
JOSEPH L. LIPARI, M.B.A., Fairleigh Dickinson
University; B.S., Montclair State University;
C.P.A., State of New Jersey
LEO J. McMENIMEN, Ph.D., M.S., B.S.,
Pennsylvania State University; C.P.A., States
of New Jersey and New York
SANTANU MITRA, Ph.D., Louisiana State
University; M.B.A., University of New
Hampshire; M.Com., B.Com., University of
Calcutta (India)
RAMESH NARASIMHAN, Ph.D., Virginia
Polytechnic Institute and State University;
M.B.A., The State University of West
Georgia; DFM, B.S., University of Bombay
(India); C.P.A. (Delaware); C.M.A.; C.I.A.
JO ANN PINTO, Ph.D., Rutgers, The State
University; M.B.A., M.A., Montclair State
University; B.S., Virginia Polytechnic
Institute and State University; CPA, State of
New Jersey
WING W. POON, Ph.D., Louisiana State
University; M.S., Californiq State University;
M.A., University of California; C.P.A.,
(Illinois)
JAMES G. YANG, M.Ph., M.B.A., New York
University; M.S., Utah State University; B.A.,
National Taiwan University (Taiwan); C.P.A.,
State of New Jersey; C.M.A.

ANTHROPOLOGY

KENNETH H. BROOK, Ph.D., CUNY; M.A.,
B.A., Hunter College
JULIE FARNUM, Ph.D., M.A., University of
Missouri; B.A., B.S., University of North
Dakota
RICHARD W. FRANKE, Ph.D., B.A., Harvard
University
RHODA HALPERIN, Ph.D., Brandeis
University; B.A., Bennington College
ANDREW MAXWELL, Ph.D., M.A., Boston
University; B.A., Ohio University
KATHERINE McCAFFREY, Ph.D., City
University of New York; B.A., Tufts
University
NEERAJ VEDWAN, Ph.D., University of
Georgia; B.A., National Dairy Research
Institute (India)

ART AND DESIGN

PETER G. BARNET, Ed.D., M.A., B.A., New
York University
J. CATHERINE BEBOUT, M.F.A., Rochester
Institute of Technology; B.A., State
University of New York at Oswego
ROBERT BROWNING, Ed.D., M.A., Columbia
University; B.S., SUNY at Oswego
SUSI COLIN, Ph.D., University of Hamburg
(West Germany)
JOHN CZERKOWICZ, M.F.A., Rutgers, The
State University; M.A., B.F.A., University of
New Mexico

EILEEN M.FOTI, M.A., University of New
Mexico; B.F.A., University of Hartford
NANCY GOLDRING, M.A., New York
University; B.A., Smith College
SCOTT GORDLEY, M.F.A., Tufts University;
B.F.A., Ringling School of Art; B.F.A.,
Bowling Green State University
MARTIN L. GREENWALD, Ed.D., New York
University; M.S., CCNY; B.S., B.A., New
York University
DOROTHY HEARD, Ph.D., M.F.A., M.A.,
University of Iowa; M.A., B.F.A., University
of the Arts
JULIE HEFFERNAN, M.F.A., Yale School of Art
and Architecture; B.F.A., University of
California at Santa Cruz
PATRICIA LAY, M.F.A., Rochester Institute of
Technology; B.S., Pratt Institute
JOHN C. LUTTROPP, M.F.A., Syracuse
University; B.F.A., Milwaukee Institute of Art
and Design, Inc.
WILLIAM McCREATH, M.F.A., Cranbrook
Academy of Art; B.F.A., University of
Manitoba School of Art; Diploma, Teachers
College, Dundee, Scotland
DARYL JOSEPH MOORE, M.F.A., Syracuse
University; B.F.A., Pratt Institute
WINFIELD L. PARSONS IV, Ph.D., M.S., Texas
A&M University; B.A., California State
University
ANTHONY PEMBERTON, M.F.A., Bard
College; B.F.A., State University of New
York at Purchase
KLAUS SCHNITZER, M.F.A., Ohio University;
B.A., SUNY at Albany
WALTER SWALES, M.F.A., Cranbrook
Academy of Art; B.A., Temple University
ELIZABETH VALDEZ del ALAMO, Ph.D.,
M.Phil., M.A., Columbia University; M.A.T.,
Yale University; B.A., Sarah Lawrence
College
ANNE BETTY WEINSHENKER, Ph.D., M.A.,
Columbia University; B.A., Barnard College

BIOLOGY AND MOLECULAR BIOLOGY

SANDRA DAISE ADAMS, Ph.D., Georgia State
University; Ph.D., University of Pittsburgh;
M.Ed., Georgia State University; B.S.A.,
University of Georgia
PAUL A.X. BOLOGNA, Ph.D., University of
Alabama; M.S., University of Maine; B.S.D.,
Michigan State University
JAMES CAMPANELLA, Ph.D., Case Western
Reserve University; M.S., B.A., University of
Chicago
ANN MARIE Di LORENZO, Ph.D., M.S., New
York University; B.A., Trinity College
CHUNGUANG (CHARLES) DU, Ph.D., Texas
A&M University
JOHN J. GAYNOR, Ph.D., M.S., Rutgers, The
State University; B.S., St. Joseph's College
REGINALD HALABY, Ph.D., M.Phil., CUNY;
B.A., Boston University
SCOTT L. KIGHT, Ph.D., Indiana University;
M.S., Eastern Illinois University; B.S.,
Southern Illinois University
STEPHEN J. KOEPP, Ph.D., M.A., North Texas
State University; B.A., Messiah College
JOHN K. KORKY, Ph.D., University of
Nebraska; M.S., University of Texas at El
Paso; B.S., Wagner College
LEE H. LEE, Ph.D., CUNY; M.S., Hunter
College; B.S., National Taiwan University
(Taiwan)
BONNIE K. LUSTIGMAN, Ph.D., Fordham
University; M.S. Fairleigh Dickinson
University; B.A., Hunter College

JON MICHAEL McCORMICK, Ph.D., M.S., Oregon State University; B.S., Portland State University
 ROBERT S. PREZANT, Ph.D., University of Delaware; M.S., Northeastern University; B.S., Adelphi University
 JUDITH A. SHILLCOCK, Ph.D., M.S., B.A., Rutgers, The State University
 JOHN A. SMALLWOOD, Ph.D., The Ohio State University; M.S., B.A., Miami University
 QUINN CHEYNEY VEGA, Ph.D., University of California, San Diego; B.S., University of California, Irvine
 DIRK W. VANDERKLEIN, Ph.D., University of Minnesota; M.S., B.S., University of Washington

BROADCASTING

THOMAS F. GENCARELLI, Ph.D., New York University; M.A., Queens College, City University of New York; B.F.A., New York Institute of Technology
 LAWRENCE J. LONDINO, Ph.D., University of Michigan; B.S., Brooklyn College; B.A., Seton Hall University
 DAVID SANDERS, Ph.D., M.A., B.S., New York University

CHEMISTRY AND BIOCHEMISTRY

HANI Y. AWADALLAH, M.S., Bowling Green State University; B.S., Cairo University
 JOHN M. BERGER, Ph.D., Virginia Polytechnic Institute; M.S., B.S., Stevens Institute of Technology
 PAMELA J. DELANEY, Ph.D., Georgetown University; B.Sc., University of Capetown
 DAWN I. DEL CARLO, Ph.D., Purdue University; B.S., Augustana College
 SALIYA A. DESILVA, Ph.D., University of Minnesota; B.S., University of Colombo (Sri Lanka)
 JAMES H. DYER, Ph.D., Kansas State University; B.A., University of Kansas
 BRIAN D. HUMPHREY, Ph.D., Princeton University; B.S., St. Joseph's College
 JOHN L. ISIDOR, Ph.D., University of North Carolina; B.S., Stonehill College
 MARC L. KASNER, Ph.D., Purdue University; B.S., California State University at Long Beach
 RICHARD A. LYNDE, Ph.D., Iowa State University; A.B., Hamilton College
 JEFFREY M. TONEY, Ph.D., Northwestern University; B.S., University of Virginia
 MARK A. WHITENER, Ph.D., Harvard University; B.S., Southern Methodist University

CLASSICS AND GENERAL HUMANITIES

ADITYA ADARKAR, Ph.D., M.A., University of Chicago; B.A., Princeton University
 JEAN ALVARES, Ph.D., M.A., University of Texas; B.A., University of Florida
 SULOCHANA R. ASIRVATHAM, Ph.D., M.A., Columbia University; B.A., Barnard College
 MARY C. ENGLISH, Ph.D., M.A., Boston University; B.A., College of the Holy Cross
 SENTA C. GERMAN, Ph.D., M.A., Columbia University; B.A., Temple University
 TIMOTHY RENNER, Ph.D., M.A., University of Michigan; B.A., Yale University
 VICTORIA TIETZE LARSON, Ph.D., McMaster University; M. Litt., B.A., Oxford University (England)
 STANLEY L. WALLING, Ph.D., M.A., Tulane University; B.A., University of Pennsylvania

COMMUNICATION SCIENCES AND DISORDERS

JOSEPH S. ATTANASIO, Ph.D., New York University; M.A., B.A., Montclair State College
 MARY BOYLE, Ph.D., M.A., Northwestern University; B.S., University of Massachusetts-Amherst
 SARITA EISENBERG, Ph.D.; CUNY; M.A., Temple University; B.S., Emerson College
 CLAIRE TAUB, D. Arts, Adelphi University; M.S., Pennsylvania State University; B.S., Brooklyn College

COMMUNICATION STUDIES

WAYNE BOND, Ph.D., Southern Illinois University; M.A., West Virginia University; B.A., Alderson-Broaddus College
 TODD KELSHAW, Ph.D., M.A., University of Washington; B.S., Syracuse University
 MICHAEL L. KENT, Ph.D., Purdue University; M.S., University of Oregon; B.A., University of Alaska, Fairbanks
 CHRISTINE LEMESIANOU, Ph.D., Rutgers, The State University; M.A., B.A., Adelphi University

COMPUTER SCIENCE

GEORGE E. ANTONIOU, Ph.D., National University of Athens; M.S., Villanova University; B.S., Fairleigh Dickinson University; B.S., New York Institute of Technology
 JAMES W. BENHAM, Ph.D., Ohio State University; M.S., Stevens Institute of Technology; B.A., Ohio Wesleyan University
 EDWARD A. BOYNO, Ph.D., M.S., Rutgers, The State University; M.S., Stevens Institute of Technology; B.A., St. Peter's College
 CARL E. BREDLAU, Ph.D., M.S., B.A., Rutgers, The State University; M.S., Stevens Institute of Technology
 DOROTHY R. DEREMER, Ph.D., New York University; M.S., Stevens Institute of Technology; M.A., B.A., Montclair State University
 KOSSI DELALI EDOH, Ph.D., M.Sc., Simon Fraser University (Canada); B.Sc. and Diploma, University of Cape Coast (Ghana)
 ANGEL GUTIERREZ, Ph.D., M.S., Universidad Complutense Madrid (Spain); Ph.D., University of Minnesota; M.S., Fairleigh Dickinson University
 HACI-MURAT HUBEY, Ph.D., University of New Hampshire; M.S., Stevens Institute of Technology; M.S., B.S., New Jersey Institute of Technology
 JOHN JINGFU JENQ, Ph.D., M.S., University of Minnesota; B.Ed., National Chunghua University of Education (Taiwan)
 HUBERT A. JOHNSON, Ed.D., Ed.M., Columbia University; M.S., B.S., Central Connecticut University
 ANDREAS KOELLER, Ph.D., Worcester Polytechnic Institute; M.S., B.S., University of Magdeburg (Germany)
 STEFAN A. ROBILA, Ph.D., M.S., Syracuse University; B.S., University of Iasi (Romania)
 DAJIN WANG, Ph.D., M.S., Stevens Institute of Technology; B. Eng., Shanghai University of Science and Technology (China)
 ROMAN ZARITSKI, Ph.D., M.S., State University of New York-Buffalo; M.A., Moscow Institute of Electronics and Mathematics-Computer Science, (Russia)

COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

MUNINDER K. AHLUWALIA, Ph.D., M.A., B.A., New York University
 VANESSA ALLEYNE, Ph.D., M.Phil. Columbia University; M.Ed., Harvard University; B.S. Wheelock College
 AMANDA L. BADEN, Ph.D., University of Michigan; M.Ed., University of Georgia; B.A., Pennsylvania State University
 LOUIS R. CENTOLANZA, Ed.D., Rutgers, The State University; M.A., Montclair State College; B.A., Kean College
 KATHY A. GAINOR, Ph.D., Michigan State University; M.A., Boston College; B.A., Waynesburg College
 JUDITH E. MINIER, Ed.D., University of North Dakota; M.S., B.S., St. Cloud University
 GLORIA PIERCE, Ed.D., M.A., Columbia University; M.A., Fairleigh Dickinson University; B.A., Rutgers, The State University
 CATHERINE B. ROLAND, Ed.D., M.Ed., University of Cincinnati; B.A., Marshall University
 TETE H. TETENS, M.A., Columbia University; B.S., Union College
 DAVID E. WEISCHADLE, Ed.D., Ed.M., B.S., Rutgers, The State University

CURRICULUM AND TEACHING

LEAH BEAUCHAMP, Ph.D., M.S., Syracuse University; B.A., Whittier College
 CATHERINE A. BECKER, Ph.D., New York University; M.A., M.B.A., B.A., Montclair State College
 ADA BETH CUTLER, Ed.D., Ed.M., Harvard University; B.A., Barnard College
 VANESSA DOMINE, Ph.D., New York University; M.A., B.A., San Jose State University
 WANDALYN ENIX, Ed.D., Temple University; M.A., Lehigh University; B.A., Howard University
 JUAN-MIGUEL FERNÁNDEZ-BALBOA, Ed.D., University of Massachusetts-Amherst; M.A., B.A., University of Barcelona (Spain)
 ELAINE FINE, Ed.D., Teachers College, Columbia University; M.A., CCNY; B.A., Queens College
 REBECCA A. GOLDSTEIN, Ph.D., M.S., University of Rochester; B.A., Bucknell University
 PERRY GREENE, Ph.D., M.A., B.S., New York University
 DAVID KEISER, Ph.D., University of California at Berkeley; M.A., San Francisco State University; B.A., University of Michigan
 CYNTHIA ONORE, Ph.D., M.A., B.A., New York University
 JENNIFER J. ROBINSON, Ed.D., M.A., M.Ed., Columbia University; B.A., Northwestern University
 MONICA TAYLOR, Ph.D., University of Arizona; M.S., City College of New York; B.A., University of Pennsylvania
 NANCY R. TUMPOSKY, Ed.D., M.Ed., SUNY at Albany; B.A., Manhattanville College
 ANA MARIA VILLEGAS, Ph.D., New York University; M.S., Hunter College; B.S., St. Peter's College
 VINCENT J. WALENCIK, Ed.D., Rutgers, The State University; M.A., B.S., Montclair State College
 RICHARD WOLFSON, Ph.D., M.A., The Ohio State University; B.S., CCNY

EARLY CHILDHOOD, ELEMENTARY AND LITERACY EDUCATION

- TRICIA GIOVACCO-JOHNSON, Ed.D.,
Columbia University; Ed.S., George
Washington University; M.Ed., B.S., Lehigh
University
MARGARET FREEDSON-GONAZLEZ, Ed.D.,
Ed.M., Harvard University; B.A., University
of California at Berkeley
FRAN GREB, Ed.D., St. John's University; M.A.,
Newark State College; B.S., Boston
University
TINA JACOBOWITZ, Ph.D., New York
University; M.A., University of Wisconsin;
B.A., Brooklyn College
LIZ KENDALL, M.T.S., Drew University; B.A.,
Glassboro College
MICHELE KNOBEL, Ph.D., M.Ed., Queensland
University of Technology (Australia); M.Ed.,
B.Ed., University of Southern Queensland
(Australia)
NANCY J. LAUTER, Ed.D., Boston University;
M.A., Columbia University; B.A.,
Connecticut College
DIERDRE GLENN PAUL, Ed.D., Teachers
College, Columbia University; M.Ed.,
Lehman College, CUNY; B.A., University of
Alabama
DINA ROSEN, Ph.D., New York University;
M.A., Wagner College; B.A., Smith College
ERIC WEINER, Ph.D., Pennsylvania State
University; M.A., B.A., University of
Massachusetts
LINDA L. WISE, Ed.D., Columbia University;
M.S. Ed., Lehman College, CUNY; A.B.,
Syracuse University
SUSAN WRAY, Ph.D., M.S., University of
Wisconsin-Madison; B.S., Northern Arizona
University

EARTH AND ENVIRONMENTAL STUDIES

- STEFANIE A. BRACHFELD, Ph.D., University
of Minnesota; M.S., California Institute of
Technology; B.S., University of Rochester
MARK J. CHOPPING, Ph.D., University of
Nottingham (England); B.S., University of
Cambridge (England)
HUAN FENG, Ph.D., SUNY, Stony Brook, M.S.,
Florida Institute of Technology; B.S., Xiamen
University (China)
ZHAODONG FENG, Ph.D., University of
Kansas; M.S., University of Washington;
M.S., B.S., Lanzhou University (China)
YUAN GAO, Ph.D., M.S., University of Rhode
Island; B.S., Nankai University (China)
MATTHEW GORRING, Ph.D., Cornell
University; M.A., Binghamton University;
B.S., University of Delaware
MICHAEL ANTHONY KRUGE, Ph.D., M.A.,
University of California, Berkeley; B.A., San
Francisco State University
JONATHAN M. LINCOLN, Ph.D., Northwestern
University; M.A., B.A., Boston University
DUKE U. OPFORI, Ph.D., University of Alberta
(Canada); M.Sc., University of Waterloo
(Canada); B.Sc., University of Ibadan
(Nigeria)
GREGORY A. POPE, Ph.D., M.A., Arizona State
University; B.A., University of Colorado
HARBANS SINGH, Ph.D., M.A., Rutgers, The
State University; M.A., Punjab University
(India)
ROLF STERNBERG, Ph.D., Syracuse
University; M.A., Clark University; B.A.,
Ursinus College

- ROBERT W. TAYLOR, Ph.D., St. Louis
University; B.A., Washington University
JOHN V. THIRUVATHUKAL, Ph.D., Oregon
State University; M.S., Michigan State
University; B.S., St. Louis University

ECONOMICS AND FINANCE

- AHMET BAYTAS, Ph.D., CUNY; M.S.,
University of Illinois at Champaign; B.A.,
Bogazici University (Turkey)
CHANDANA CHAKRABORTY, Ph.D.,
Rensselaer Polytechnic Institute; M.A., B.A.,
Jadavpur University (India)
SURESH DESAI, Ph.D., M.A., University of
California-Los Angeles; Ph.D., L.L.B., M.A.,
B.A., Gujarat University (India)
HAROLD FLINT, Ph.D., M.A., Southern Illinois
University; B.A., Western Kentucky
University
SANG-HOON KIM, Ph.D., University of
Wisconsin (Madison); M.B.A., University of
Wisconsin (Milwaukee); LL.M., B.A., Korea
University (Seoul)
SERPIL LEVEEN, Ph.D., New York University;
M.A., Southern Illinois University; B.A.,
University of Ankara (Turkey)
PHILLIP LeBEL, Ph.D., M.A., Boston
University; B.A., Washington College
RICHARD LORD, Ph.D., M.B.A., University of
Georgia; B.S., Georgia Institute of
Technology
SEDDIK MEZIANI, Ph.D., Rensselaer
Polytechnic Institute; M.B.A., New York
University; B.S., University of Constantine,
(Algeria)
DENIZ OZENBAS, Ph.D., M.Phil., M.B.A., City
University of New York; B.A., Bogazici
University, Istanbul (Turkey)
KAMROUZ PIROUZ, Ph.D., University of
Hawaii; M.B.A., Rutgers, The State
University; B.S., University of Wisconsin,
Oshkosh
GLENNVILLE RAWLINS, Ph.D., New York
University; M.A., Howard University; B.A.,
University of West Indies
FARAHMAND REZVANI, Ph.D., CUNY; M.A.,
Roosevelt University; B.S., Pahlavi University
(Iran)
CECILIA WAGNER RICCI, Ph.D., University of
Interantiaonal Business and Economics,
Beijing (China); M.B.A., Seton Hall
University; B.A., SUNY at Brockport
HERMANN SINTIM-ABOAGYE, Ph.D.,
University of New Orleans; M.B.A., Tulane
University; B.A., University of Ghana
(Ghana)
IRA SOHN, Ph.D., M.A., New York University;
B.A., Brooklyn College
NILUFER USMEN, Ph.D., CUNY; M.A., B.A.,
Bogazici University (Turkey)
ZAMAN ZAMANIAN, Ph.D., Indiana
University; M.A., St. Mary's University; B.A.,
National University of Iran

EDUCATIONAL FOUNDATIONS

- MAUGHN GREGORY, Ph.D., Iberoamericana
University; M.A., University of Hawaii; J.D.,
J. Ruben Clark Law School; B.A., Brigham
Young University
JAIME GRINBERG, Ph.D., Michigan State
University; M.A., Eastern Michigan
University; B.A., The Hebrew University of
Jerusalem (Israel)
DAVID KENNEDY, Ed.D., University of
Kentucky; M.S., Eastern Montana College;
B.A., Luther College

- MEGAN LAVERTY, Ph.D., University of New
South Wales (Australia); M.A., B.A.,
University of Melbourne (Australia)
TAMARA LUCAS, Ph.D., M.A., Stanford
University; M.A., San Francisco State
University; B.A., Centre College of Kentucky
JACQUELINE MOSSELSOHN, Ph.D., M.Ed., M.
Inter. Affairs, Columbia University; B.A.,
Tufts University
ALINA REZNITSKAYA, Ph.D., M.Ed., M.A.S.,
B.A., University of Illinois
ANN MARGARET SHARP, Ed.D., University of
Massachusetts; M.A., Catholic University of
America; B.A., College of New Rochelle
MARK L. WEINSTEIN, Ph.D., The City
University of New York; M.A., The City
College of New York; B.A., Brooklyn College

ENGLISH

- FAWZIA AFZAL-KHAN, Ph.D., M.A., Tufts
University; B.A., Punjab University (India)
PAUL ARTHUR, Ph.D., M.A., New York
University; B.A., Tufts University
THOMAS BENEDIKTSSON, Ph.D., University
of Washington; B.A., Trinity University
DANIEL BRONSON, Ph.D., University of
Pennsylvania; A.B., Harvard University
SUSAN A. COLE, Ph.D., M.A., Brandeis
University; B.A., Barnard College, Columbia
University
JANET K. CUTLER, Ph.D., M.A., University of
Illinois, Champaign-Urbana; B.A., The
University of Chicago
MONIKA ELBERT, Ph.D., M.A., Rutgers, The
State University; B.A., Douglass College,
Rutgers, The State University
GROVER C. FURR, Ph.D., M.A. Princeton
University; B.A., McGill University
JONATHAN D. GREENBERG, Ph.D., M.A.,
Princeton University; B.A., Harvard
University
RON HOLLANDER, M.A., Rutgers, The State
University; A.B., Brandeis University
EMILY J. ISAACS, Ph.D., M.A., University of
Massachusetts, Amherst; B.A., Colby College
RITA D. JACOBS, Ph.D., M.A., University of
Pennsylvania; B.A., Queens College
SARA JONSBURG, Ed.D., University of
Massachusetts; M.A., Johns Hopkins
University; B.A., Mt. Holyoke College
SHARON LEWIS, Ph.D., M.A., B.A., Rutgers,
The State University
NAOMI C. LIEBLER, Ph.D., M.A., SUNY at
Stony Brook; B.A., City College of New York
DEENA LINETT, Ed.D., Ed.M., Rutgers, The
State University; A.B., Boston University
JOHNNY LORENZ, Ph.D., M.A., University of
Texas at Austin; B.A., University of Miami
PATRICIA A. MATTHEW, Ph.D., University of
Massachusetts, Amherst; M.A., Northwestern
State University; B.A., Centenary College of
Louisiana
SARA McWILLIAMS, Ph.D., M.A., University
of Washington; B.A., University of Oregon
ALYCE SANDS MILLER, Ph.D., M.A.,
Pennsylvania State University; B.A., Hunter
College
JAMES F. NASH, Ph.D., M.A., University of
Virginia; B.A., LaSalle University
WENDY C. NIELSEN, Ph.D., University of
California, Davis; B.A., University of
California, San Diego
MARY A. PAPAZIAN, Ph.D., M.A., B.A.,
University of California, Los Angeles
HIRAM PEREZ, Ph.D., M.A., Columbia
University; B.S., B.A., University of Miami

TANYA POLLARD, Ph.D., Yale University; M.A., Oxford University (Magdalen College); B.A., Yale University
 THEODORE PRICE, Ph.D., Rutgers, The State University; M.A., Columbia University; B.A., Kenyon College
 JESS F. ROW, M.F.A., University of Michigan; B.A., Yale University
 LAWRENCE SCHWARTZ, Ph.D., Rutgers, The State University; M.A., Stanford University; B.S., Newark College of Engineering
 ART SIMON, Ph.D., M.A., New York University; B.A., University of Wisconsin
 KEITH D. SLOCUM, Ph.D., M.A., University of Pennsylvania; B.A., Knox College
 CAROLE B. STONE, Ph.D., Fordham University; B.A., Rutgers, The State University; B.A., New York University
 DAVID M. STUEHLER, Ph.D., M.A., New York University; B.A., Rutgers, The State University
 GREGORY L. WATERS, Ph.D., M.A., Rutgers, The State University; A.B., Georgetown University
 ROBERT WHITNEY, Ph.D., New York University; M. Div., Chicago Theological Seminary; B.A., University of New Hampshire

FRENCH, GERMAN, AND RUSSIAN

BETTINA BRANDT, Ph.D., Harvard University; M.A., B.A., The University of Utrecht (The Netherlands)
 ELIZABETH EMERY, Ph.D., M.Phil., M.A., New York University; B.A., Wellesley College
 SASKIA HINTZ, Ph.D., New York University; Erste Staatsprüfung, Pädagogische Hochschule Flensburg (Germany)
 LUDMILA LAVINE, Ph.D., M.A., Princeton University; B.A., Rutgers, The State University
 KATHLEEN LOYSEN, Ph.D., M.A., New York University; B.A., Boston College
 DANIEL MENGARA, Ph.D., M.A., University of Nice (France); M.A., Illinois State University; B.A., University Omar Bongo (Gabon)
 LOIS OPPENHEIM, Ph.D., M.A., B.A., New York University
 RABIA REDOUANE, Ph.D., University of Toronto (Canada); M.A., B.A., Laval University (Canada)

HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

MARY JO BELENSKI, Ed.D., Ed.M., Rutgers, The State University; B.A., Fairleigh Dickinson University
 MICHAEL S. DAVIDSON, Ed.D., M.Ed., M.A., Columbia University; B.A., Brown University
 DOMENICA DESIDERIOSCIOLI, Ed.D., New York University; M.S., B.S., Brooklyn College
 JOSEPH DONNELLY, Ph.D., M.S., B.S., Southern Illinois
 JOAN FICKE, Ed.D., M.A., New York University; B.A., Montclair State College
 MICHELE FISHER, Ph.D., Springfield College, M.A., East Stroudsburg State College; B.A., Elizabethtown College
 MARSHA GRANT FORD, Ph.D., Temple University; M.Ed., University of Virginia; B.S., East Stroudsburg University
 ROB GILBERT, Ph.D., B.A., University of Massachusetts
 EVA GOLDFARB, Ph.D., M.A., University of Pennsylvania; B.A., Trinity College

KLARA GUBACS, Ed.D., University of Massachusetts; M.A., Montclair State University; B.S., Hungarian University of Physical Education (Hungary)
 ROBERT R. HORN, Ph.D., John Moores University (England); M.S., University of West Chester; B.S., University of Liverpool (England)
 SUSANA JUNIU, Ed.D., M.Ed., B.S., Temple University
 MARK A. KAELEN, Ed.D., Teachers College, Columbia University; M.A., B.A., Montclair State College
 LI-CHUN LIN, Ph.D., Kansas State University; M.S., Purdue University; B.S., National Cheng-Kung University (Taiwan)
 CAROLYN MASTERSON, Ed.D., M.A., Teachers College, Columbia University; B.S., College of Mt. St. Joseph
 DAVID MIDDLEMAS, Ed.D., Rutgers, The State University; M.A., University of Nebraska; B.S., Muhlenberg College
 SANDRA NAIPAUL, Ph.D., Ohio State University; M.B.A., Niagara University; B.S., SUNY at Buffalo
 JACK B. SAMUELS, Ed.D., M.Ed., Temple University; M.B.A., Montclair State University; B.S., SUNY at Cortland
 SUSAN SCHWAGER, Ed.D., M.A., Columbia University; B.A., Hunter College
 REZA B. SHAHROKH, Ph.D., M.S., B.S., Southern Illinois University
 TIMOTHY F. SULLIVAN, M.S., Ithaca College; B.S., SUNY at Cortland
 WILLIAM SULLIVAN, Ed.D., M.Ed., M.A., Columbia University; B.A., Southern Illinois University
 RICHARD TOBIN, Ph.D., University of Maryland; M.A., B.A., East Carolina University
 SUSAN A. WESTON, Ed.D., Rutgers, The State University; M.A., Montclair State College; B.S., Russell Sage College

HISTORY

GEORGE C. BRETHERTON, Ph.D., M.A., B.S., Columbia University
 ROBERT E. CRAY, JR., Ph.D., M.A., B.A., SUNY at Stony Brook
 ESPERANZA BRIZUELA GARCIA, Ph.D., M.A., University of London; B.A., Universidad Nacional Autonoma de Mexico (Mexico)
 DAWN MARIE HAYES, Ph.D., M.A., B.A., New York University
 JULIA LANDWEBER, Ph.D., Rutgers, The State University; B.A., Reed College
 BENJAMIN LAPP, Ph.D., M.A., B.A., University of California, Berkeley
 JOSEPH T. MOORE, Ed.D., B.S., Rutgers, The State University; M.A., Montclair State College
 J. KENNETH OLENIK, Ph.D., M.A., Cornell University; M.A., Seton Hall University; B.S.S.S., John Carroll University
 PETER PASTOR, Ph.D., M.A., New York University; B.S., CCNY
 CARLA PETIEVICH, Ph.D., University of British Columbia (Canada); M.A., B.A., University of California, Berkeley
 JOEL SCHWARTZ, Ph.D., M.A., B.A., University of Chicago
 AMY GILMAN SREBNICK, Ph.D., SUNY at Stony Brook; M.A., B.A., University of Wisconsin
 MICHAEL WHELAN, Ed.D., Columbia University; M.A., B.A., Manhattan College

LESLIE E. WILSON, Ph.D., CUNY Graduate School; M.A., Hunter College; M.P.S., B.A., Cornell University

HUMAN ECOLOGY

KATHLEEN BAUER, Ph.D., M.S., Rutgers, The State University; B.S., Northern Illinois University
 JOAN D. BERNSTEIN, Ed.D., M.A., Columbia University; B.A., Queens College
 TIFFANY BROWN, Ph.D., Syracuse University; M.A., B.A., Binghamton University
 JONATHAN CASPI, Ph.D., University at Albany, State University of New York; M.S.W., Hunter College School of Social Work, C.U.N.Y.; B.A., New York University
 CHARLES FELDMAN, Ph.D., B.A., New York University
 M. ELAINE FLINT, Ph.D., Pennsylvania State University; M.S., Southern Illinois University; B.A., Western Kentucky University
 KATIA PAZ GOLDFARB, Ph.D., Michigan State University; M.A., Eastern Michigan University; B.A., Hebrew University of Jerusalem (Israel)
 MARY E. HENRY, Ph.D., New York University; M.A., B.A., Montclair State College
 KATHRYN G. HERR, Ph.D., The Ohio State University; M.S.W., Fordham University Graduate School of Social Service; B.S., Millersville University
 MARTI KENNEDY, Ph.D., M.S., B.A., Texas Tech University
 MIRIAM R. LINVER, Ph.D., M.S., University of Arizona; B.A., Brandeis University
 DOREEN LIOU, Ed.D., M.Ed., M.S., Columbia University; B.S., New York University
 MARGARET R. MUKHERJEE, Ph.D., Rutgers, The State University; M.A., Michigan State University; B.S., Cornell University
 LINDA BOEHME REILLY, Ph.D., M.S., Pennsylvania State University; B.S., Purdue University
 JOHN SPECCHIO, Ph.D., M.S., B.S., Rutgers, The State University
 PEARL STEWART, Ph.D., University of Delaware; M.S.S.A., Case Western Reserve University; B.S., University of Delaware
 SHAHLA WUNDERLICH, Ph.D., Massachusetts Institute of Technology; M.S., American University of Beirut (Lebanon); B.S., Pahlavi University (Iran)

INFORMATION AND DECISION SCIENCES

MARK BERENSON, Ph.D., CUNY; M.B.A., B.A., CCNY
 HARVEY BLUMBERG, Ph.D., CUNY; M.B.A., Baruch College; B.B.A., CCNY
 QIYANG CHEN, Ph.D., University of Maryland; M.S., China Academy of Space (China); B.S., National University of Defense Technology (China)
 ELEANOR J. FLANIGAN, Ed.D.; M.Ed., Temple University; B.A., Immaculata College
 KIMBERLY A. HOLLISTER, Ph.D., M.S.E., B.S.E., University of Pennsylvania
 NICOLE KOPPEL, Ph.D., Rutgers, The State University; M.S., Columbia University; B.A., Cornell University
 ZU-HSU LEE, Ph.D., University of California, Berkeley; M.S., University of Pittsburgh; M.B.A., National Chiao Tung University; B.S., National Taiwan University (Taiwan)
 RAM MISRA, Ph.D., Texas A&M University; M.B.A., Columbia School of Business; B.S., Indian Institute of Technology (India)

ALAN J. OPPENHEIM, Ph.D., New York University; M.S., B.S., Polytechnic University
 RICHARD L. PETERSON, Ph.D., M.S., The Pennsylvania State University; B.S., Edinboro State University
 ZHONG ZIAN WANG, Ph.D., Temple University; M.S., Harbin Institute of Technology (China); B.S., Taiyuan University of Sciences and Technologies (China)
 RUBEN XING, Ed.D., M.S., M.A., Columbia University; B.S., Peking University (China)
 JAMES YAO, Ph.D., Mississippi State University; M.A., California University of Pennsylvania; B.A., Shenyang Normal University (China)

LEGAL STUDIES

JACK BALDWIN-LeCLAIR, Ed.S., Rutgers, The State University; J.D., University of Bridgeport; M.A., Rutgers, The State University; B.A., St. Anselm College
 NORMA C. CONNOLLY, J.D., New York Law School; M.A., University of Maryland; B.A., Rutgers, The State University
 REGINIA JUDGE, J.D., Seton Hall University; B.A., Montclair State University
 LENORE M. MOLEE, J.D., Seton Hall University; B.A., Gettysburg College
 BARBARA A. NAGLE, J.D., Seton Hall University; B.A., Montclair State University
 AVRAM B. SEGALL, J.D., New York Law School; B.S., University of Wisconsin
 MARILYN R. TAYLER, Ph.D., Rutgers, The State University; J.D., Seton Hall University; M.A., Hunter College; B.A., CCNY

LINGUISTICS

MARY E. CALL, Ph.D., M.A., University of Pittsburgh; B.A., Case-Western Reserve University
 EILEEN FITZPATRICK, Ph.D., M.A., New York University; B.A., Manhattanville College
 ALICE F. FREED, Ph.D., M.A., B.A., University of Pennsylvania
 MILTON S. SEEGMILLER, Ph.D., M.A., New York University; B.A., Brooklyn College
 SUSANA SOTILLO, Ph.D., M.A., University of Pennsylvania; M.A., B.S., Temple University
 LONGXING WEI, Ph.D., University of South Carolina; M.A., University of Colorado at Boulder; M.A., East China Normal University; B.A., Shanghai Teachers' University (China)

MANAGEMENT

MARK R. ALLYN, Ph.D., Stanford University; B.A., Oakland University
 FRANCES M. AMATUCCI, Ph.D., University of Pittsburgh; B.S., University of Massachusetts
 EDWARD D. BEWAYO, D.P.A., SUNY at Albany; M.S., M.A., University of Wisconsin; B.A., University of Delhi (India)
 L.L. JAYARAMAN, Ph.D., The Wharton School, University of Pennsylvania; B.A. of Textile Technology, Bombay University (India)
 EILEEN KAPLAN, Ph.D., Rutgers, The State University; M.A., New School for Social Research; B.A., Syracuse University
 KATHRYN D. MARTELL, Ph.D., University of Maryland; B.A., University of Chicago
 BYUNG K. MIN, Ph.D., Pennsylvania State University; M.B.A., SUNY at Albany; B.A., Seoul National University (Korea)
 DAVID J. RADOSEVICH, Ph.D., SUNY at Albany; B.A., Western Maryland College
 CARL A. RODRIGUES, D.P.A., Nova University; M.S.M., B.A., Florida International University

SEOKHWA YUN, Ph.D., University of Maryland; M.B.A., B.S., Seoul National University (Korea)
 MICHAEL G. ZEY, Ph.D., Rutgers, The State University; B.A., Hunter College

MARKETING

RALPH A. DIPIETRO, Ph.D., New York University; M.B.A., B.B.A., Baruch College
 M. NADEEM FIROZ, Ph.D., North Texas State University; M.B.A., University of Dallas; M.Com., B.Com., University of Peshawar (Pakistan)
 MARK E. HILL, D.B.A., M.B.A., B.S., Southern Illinois University
 CHINNAPPA N. JAYACHANDRAN, Ph.D., M.A., B.A., University of Madras (India)
 MARK S. JOHNSON, Ph.D., M.B.A., University of Colorado (Boulder)
 MARK JEFFREY KAY, Ph.D., City University of New York (C.U.N.Y.); M.B.A., Baruch College; M.A., M.F.A., University of Chicago; B.F.A., School of the Art Institute of Chicago
 JOHN McGINNIS, Ed.D., New York University; M.A., B.S., Montclair State University
 SURESH B. PRADHAN, Ph.D., University of Pittsburgh; M.S., Ohio State University; B.S., University of Bombay; B.S., University of Sagar (India)
 PAUL SCIPIONE, Ph.D., Rutgers, The State University; M.A., SUNY at Buffalo; B.S., SUNY at Geneseo

MATHEMATICAL SCIENCES

LORA A. BILLINGS, Ph.D., M.S., University of Colorado; B.S., Lafayette College
 KIMBERLY JORDAN BURCH, Ph.D., M.A., University of Pittsburgh; B.S., Youngstown State University
 YOUNGNA CHOI, Ph.D., Northwestern University; M.S., B.S., Seoul National University (Korea)
 THOMAS F. DEVLIN, Ph.D., M.A., Catholic University of America; B.A., LaSalle College
 ROBERT F. DORNER, Ed.D., New York University; M.A., Montclair State College; B.S., Trenton State College
 EILEEN FERNÁNDEZ, Ph.D., University of Chicago; M.S., New York University; B.A., William Smith College
 CARL GOTTSCHALL, Ph.D., J.D., New York University; M.S., Yeshiva University; B.A., CUNY
 DEAN HAMDAN, Ph.D., Walden University; M.A.T., B.S., Fairleigh Dickinson University
 KAREN D. IVY, Ph.D., M.S., B.S., University of Mississippi
 MICHAEL A. JONES, Ph.D., M.A., Northwestern University; B.S., Santa Clara University
 KENNETH KALMANSON, Ph.D., CUNY; B.S., Brooklyn College
 PATRICIA KENSCHAFT, Ph.D., M.A., University of Pennsylvania; A.B., Swarthmore College
 MARK S. KORLIE, Ph.D., M.S., University of Texas-Arlington; B.S. University of Liberia (Liberia)
 LUDWIK KOWALSKI, Ph.D., University of Paris; M.S., B.S., Polytechnic Institute of Warsaw; M.A., Kean College of New Jersey
 TZU-CHIANG MA, Ph.D., University of North Carolina; B.S., National Cheng Kung University (China)

EVAN M. MALETSKY, Ph.D., New York University; M.A., B.A., Montclair State University
 ANDREW J. McDOUGALL, Ph.D., The Australian National University (Australia); B.Sc., M.Sc., University of Auckland (New Zealand)
 ARUP MUKHERJEE, Ph.D., Pennsylvania State University; M.Sc., University of Calcutta (India); B.Sc., Saint Xavier's College (India)
 MIKA MUNAKATA, Ph.D., Columbia University; M.S., M.A., Teachers College, Columbia University; B.A., Parnona College
 WILLIAM R. PARZYNSKI, Ph.D., M.S., B.S., Stevens Institute of Technology
 ANTHONY V. PICCOLINO, Ed.D., M.Ed., Columbia University; M.S., Yeshiva University; B.S., Iona College
 HELEN MARCUS ROBERTS, Ph.D., The Johns Hopkins University; B.S., CCNY
 BAOJUN SONG, Ph.D., Cornell University; M.S., B.S., Xi'an Jiaotong University (China)
 JOHN G. STEVENS, Ph.D., New York University; B.S., Indiana University
 RUTH C. STEWART, Ed.D., M.A., B.A., Rutgers, The State University; M.A., Columbia University
 LINDA TAPPIN, Ph.D., M.S. (Mathematics), M.S. (Statistics), Rutgers, The State University; B.A., Douglass College, Rutgers, The State University
 DIANA THOMAS, Ph.D., Georgia Institute of Technology; B.A., University of Montana
 GIDEON WEINSTEIN, Ph.D., M.A., Indiana University; M.A., B.S., Binghamton University
 MARY L. WEST, Ph.D., Columbia University; M.S., B.A., Cornell University
 THOMAS E. WILLIAMSON, JR., Ph.D., Rutgers, The State University; B.S., University of Maryland
 KENNETH C. WOLFF, Ph.D., New York University; M.A., Pennsylvania State University; B.A., Montclair State University

MUSIC

ROBERT ALDRIDGE, D.M.A., M.M.A., Yale University; M.Mus., New England Conservatory of Music; B.A., University of Wisconsin
 JOKE BRADT, Ph.D., M.M.T., Temple University; M.M.P., Lemmeninstituut (Belgium)
 HEATHER BUCHANAN, M.Mus., Westminster Choir College of Rider University; B.Mus., Queensland Conservatorium of Music at Griffith University (Australia)
 FRED COHEN, D.M.A., Cornell University; B.A., University of California at Santa Cruz
 MARY ANN CRAIG, D.M.E., M.M.E., Indiana University; B.M.E., Baldwin-Wallace College
 LISA DeLORENZO, Ed.D., Columbia University; M.M.E., Indiana University; B.S., West Chester State College
 DEAN DRUMMOND, M.F.A., California Institute of the Arts; B.Mus., University of Southern California
 JEFFREY C. GALL, M.Phil., M.A., Yale University; B.A., Princeton University
 KAREN GOODMAN, M.S., Hunter College; B.A., University of Wisconsin
 TING HO, Ph.D., University of Rochester; M.A., Kent State University; B.A., Bucknell University

JEFFREY KUNKEL, D.Ed., Pennsylvania State University; M.Mus., New England Conservatory; B.S., Pennsylvania State University

STEPHEN OOSTING, D.M.A., Eastman School of Music; M.M., B.M., Michigan State University

RUTH RENDLEMAN, Ed.D., Columbia University; M.Mus., Manhattan School of Music; B.Mus., North Carolina School of Arts

DAVID SINGER, Diploma, Curtis Institute of Music; Artist Certificate, Hochschule für Musik (Vienna)

DAVID WITTEN, D.M.A., Boston University; M.F.A., SUNY Buffalo; B.A., John Hopkins University

DAVID WROE, M.Mus., Northwestern University; B.Mus., Manchester University

NEW JERSEY SCHOOL OF CONSERVATION

RANDALL FitzGERALD, Ph.D., SUNY at Binghamton; B.A., SUNY at Purchase

REGINA M. KELLY, M.A., B.A., Trenton State College

WALTER M. MYERS, Dir. Re., Indiana University; M.S., Northern Illinois University; B.S., Stockton State College

PHILOSOPHY AND RELIGION

DAVID BENFIELD, Ph.D., M.A., Brown University; B.A., St. John's College

THOMAS BRIDGES, Ph.D., M.A., Columbia University; B.A., New York University

CYNTHIA ELLER, Ph.D., M.A., University of Southern California; B.A., University of LaVerne

ROLAND GARRETT, Ph.D., M.A., B.A., Columbia University

CHRIS D.HERERA, Ph.D., University of Oklahoma; M.A., University of Colorado; B.S., Embry-Riddle University

YASIR S. IBRAHIM, Ph.D., Princeton University; M.A., B.A., Florida State University

STEPHEN JOHNSON, Ph.D., M.Phil., Yale University; M.A., Marquette University; B.A., Spring Hill College

MICHAEL S. KOGAN, Ph.D., B.A., Syracuse University

KAY MATHIESEN, Ph.D., M.A., University of California, Irvine; B.A., University of California, Santa Cruz

DOROTHY ROGERS, Ph.D., M.A., Boston University; B.A., Gordon College

LISE F.VAIL, Ph.D., University of Pennsylvania; M.A., Princeton University; B.A., Florida State University

POLITICAL SCIENCE

OPOKU AGYEMAN, Ph.D., York University (Toronto); M.A., Makerere, Uganda; B.A., University of Ghana

WILLIAM M. BATKAY, Ph.D., M.A., Columbia University; B.A., Fordham University

WILLIAM S. BERLIN, Ph.D., Rutgers, The State University; M.A., George Washington University; B.A., Brooklyn College

BRIGID R. HARRISON, Ph.D., Temple University; M.A., Rutgers, The State University; B.A., Stockton State College

GEORGE T. MENAKE, Ph.D., New York University; M.A., St. John's University; B.A., St. Peter's College

DAVID K. NICHOLS, Ph.D., University of Virginia; M.A., Northern Illinois University; B.A., Wake Forest University

GEORGE N. ZILBERGELD, Ph.D., Miami University; M.A., San Francisco State University; B.A., Rutgers, The State University

PSYCHOLOGY

JOHN K. ADAMS, Ph.D., New York University; M.A., B.A., University of Nebraska

EDWARD ARONOW, Ph.D., M.A., Fordham University; B.A., Queens College

IRWIN J. BADIN, Ph.D., New York University; B.A., Long Island University

JENNIFER BRAGGER, Ph.D., M.A., Temple University; B.A., College of New Jersey

SAUNDRA COLLINS, Ph.D., M.A., University of Maryland; B.A., Point Park College

ANTHONY V. D'URSO, Psy.D., Rutgers, The State University; M.A., B.A., Seton Hall University

KATHERINE W. ELLISON, Ph.D., CUNY; B.A., Agnes Scott College

MARK J. FRIEDMAN, Ph.D., M.S., Purdue University; B.A., Colgate University

MILTON FUENTES, Psy. D., Psy.M., Rutgers, The State University; M.A., Montclair State University; B.A., Saint Peters College

MARGARITA GARCIA, Ph.D., M.A., B.S., Columbia University

JULIAN P. KEENAN, Ph.D., SUNY at Albany; M.A., B.A., SUNY, at New Paltz

MARK A. KOPPEL, Ph.D., M.A., Northwestern University; B.A., Columbia University

SANDRA LEWIS, Psy.D., Rutgers, The State University; B.A., Spelman College

PAUL J. LOCHER, Ph.D., M.S., Temple University; B.S. Ed., Kutztown State College

DANIELLE MARTINES, Ph.D., Fordham University; M.S., Long Island University; B.A., Mercy College

ROBERT D. McCORMICK, Ph.D. (Spanish), CUNY; Ph.D. (Psychology), Rutgers, The State University; M.A. (Spanish), Queens College, CUNY; M.A. (Psychology), Rutgers, The State University; B.A., St. John's University

LUIS MONTESINOS, Rh.D., M.A., Southern Illinois University; Psychologist Degree, Catholic University of Chile

CARLA M. NARRETT, Ph.D., M.S., Syracuse University; B.S., Northern Michigan University

OFELIA RODRIGUEZ-SREDNICKI, Ph.D., M.A., Seton Hall University; B.A., Jersey City State College

JEROLD S. SCHWARTZ, Ph.D., M.A., Yeshiva University; B.A., University of Pennsylvania

IRA R. SUGARMAN, Ph.D., M.S., Columbia University; B.A., New York University

KENNETH E. SUMNER, Ph.D., M.A., Bowling Green State University; B.A., Wayne State University

DAVID J. TOWNSEND, Ph.D., M.A., Wayne State University; B.A., University of Michigan

DEBRA ZELLNER, Ph.D., M.A., American University; A.B., Muhlenberg College

SOCIOLOGY

BARBARA CHASIN, Ph.D., University of Iowa; B.A., CCNY

DAVID DODD, D. Crim., M. Crim., University of California, Berkeley; Barrister at Law, Gray's Inn; M.A., B.A., Oxford University (England)

PETER FREUND, Ph.D., New School for Social Research; M.A., Queens College; B.A., University of Maryland

BENJAMIN HADIS, Ph.D., M.A., University of California at Los Angeles; Licenciatura, University of Buenos Aires (Argentina)

MARY HOLLEY, Ph.D., North Texas State University; M.A., Fisk University; B.A., Saint Augustine's College

JENNIFER HUNT, Ph.D., CUNY; B.A., Sarah Lawrence College

GILBERT KLAJMAN, M.A., Brandeis University; B.A., Brooklyn College

LAURA KRAMER, Ph.D., M.A., SUNY at Stony Brook; B.A., University of Michigan

ILYA LICHTENBERG, Ph.D., J.D., M.A., B.A., Rutgers, The State University

JAY LIVINGSTON, Ph.D., Harvard University; B.A., Brandeis University

GEORGE MARTIN, Ph.D., M.A., University of Chicago; B.A., Vanderbilt University

JANET RUANE, Ph.D., M.A., Rutgers, The State University; A.B., Marywood College

YONG WANG, Ph.D., M.S., M.S., Iowa State University; M.A., Beijing University of Aeronautics and Astronautics (China); B.S., Academy of Naval Engineering, Wuhan (China)

GILBERT ZICKLIN, Ph.D., M.A., University of California, Davis; B.A., Columbia University

SPANISH/ITALIAN

VINCENZO Z. BOLLETTINO, Ph.D. (Spanish), Ph.D. (Comparative Literature, English), M.A., (Spanish), M.A., (Comparative Literature, English), Rutgers, The State University; B.A., City College, CUNY

GIOVANNI D'AGOSTINO, Ph.D., University of Toronto (Canada); M.A., University of California, Los Angeles; B.A., University of British Columbia (Canada)

DAVID DEL PRINCIPE, Ph.D., Rutgers, The State University; M.A., New York University; B.A., University of Connecticut

ANDREA DINI, Ph.D., University of Wisconsin, Madison; Laurea, Università degli Studi di Firenze (Italy)

ANNE EDSTROM, Ph.D., M.A., University of Minnesota; B.A., Northwestern College

RAUL GALOPPE, Ph.D., M.A., University of Missouri; B.A., Ministerio de Educacion y Cultura, (Argentina)

DIANA GUEMAREZ-CRUZ, Ph.D., M.A., Harvard University; B.A., University of Puerto Rico

EDWIN LAMBOY, Ph.D., Pennsylvania State University; M.A., Lehman College; B.A., University of Puerto Rico, Rio Piedras

LINDA G. LEVINE, Ph.D., M.A., Harvard University; B.A., New York University

MARTA LOPEZ-LUACES, Ph.D., New York University; M.A., B.A., Queens College

PAOLO POSSIDI, Dottore lettere, University of Padua (Italy)

WILLIAM ROSA, Ph.D., The Ohio State University; M.A., Michigan State University; B.A., Universidad de Puerto Rico, Rio Piedras

PAMELA SMORKALOFF, Ph.D., M.A., B.A., New York University

VALETIN SOTO, Ph.D., Stanford University; M.A., University of California; M.A., Universidad Nacional Autónoma de Mexico; B.A., CCNY

MARISA TRUBIANO, Ph.D., M.A., B.A., Rutgers, The State University

MARIA JOSE GARCIA VIZCAINO, Ph.D.,
M.A., B.A., Universidad de Granada (Spain)
JOHN A. ZAHNER, Ph.D., M.A., University of
Arizona; B.A., Toledo University
ROGER A. ZAPATA, Ph.D., University of
Minnesota; M.A., University of Pittsburgh;
B.A., Universidad Nacional Mayor de San
Marcos (Peru)

THEATRE AND DANCE

MICHAEL ALLEN, M.F.A., Tulane University;
B.A., Eastern Kentucky University
ERIC DIAMOND, M.F.A., Temple University;
B.F.A., Pennsylvania State University
LORRAINE KATTERHENRY, M.F.A., B.F.A.,
Florida State University
SUSAN KERNER, M.F.A., Boston University;
M.A., Columbia University; B.A.,
Connecticut College
RANDY MUGLESTON, M.F.A., Indiana
University; B.F.A., Utah State University
GEOFFREY W. NEWMAN, Ph.D., Howard
University; M.A., Wayne State University;
B.F.A., Howard University
JANE T. PETERSON, Ph.D., University of
Missouri; M.A., B.A., Tulane University
LINDA J. ROBERTS, M.A., Columbia
University; B.A., University of Bridgeport
SUZANNE M. TRAUTH, Ph.D., M.A., Bowling
Green State University; B.S., University of
Dayton
JOHN WIESE, M.F.A., Boston University;
B.F.A., Longwood College





INDEX

About Montclair State University	1
Academic Advising	23, 32
Academic Affairs	267
Academic Calendar	11
Academic Deans	267
Academic Development and Assessment, Center for	23
Academic Policies and Procedures	32
Academic Progress, Standards for	36
Academic Success Center	23
Accounting Concentration	64
ACCOUNTING, LAW, AND TAXATION	64
Accreditation	inside front cover
Accreditations, Approvals, and Memberships	7
Acting Concentration	226
Administration	268
Administration and Faculty	267
ADMISSIONS	13, 24
Admission to Teacher Education	250
Admission Requirements	13
Adult Fitness Concentration, Physical Education	141
Adult Learning, Center for Academic Advising	14, 23
Advanced Placement	32
Advisement	23, 32
Affirmative Action/Equal Opportunity	inside front cover
African-American Studies Minor	236
Allied Health Services Major	139
Alpha Course Codes, Legend of	62
Alumni Association/Office of Alumni Relations	18
ANTHROPOLOGY	66
Anthropology Major, Minor	66
Application for Final Audit	32
Applied Mathematics Concentration	183
Arabic Course Descriptions	132, 174
Archaeology Minor	237
ART AND DESIGN	70
Art History Concentration	70
Arts, School of the	9
Astronomy Concentration (Physics Major)	184
Athletic Training Program/Major	140
Athletics, Intercollegiate	27
Attendance	32
Audit Policy	32
Auxiliary Services	18
Awards, Scholarships and	27, 255
Basic Skills	33, 61
Biochemistry Major	91
Biochemistry Concentration, Science Informatics	213
BIOLOGY AND MOLECULAR BIOLOGY	80
Biology Major	80
Biology Major, Environmental Science Concentration	81
Biology Minor	82
Board of Trustees	267
Bookstore	18
BROADCASTING	87
Business, School of	10
Business Administration	90
Business Administration, Accounting	64
Business Administration, Economics	120
Business Administration, Finance	120
Business Administration, International Business	180
Business Administration, Management	178
Business Administration, Management Information Systems	162
Business Administration, Marketing	180
Business Administration, Quantitative Methods	162
Business Administration, Retail Merchandising and Management	180
Business Economics Concentration	119
Calendar, Academic	11
Campus Employment	19
Campus Life, Student Development and	23, 269
Campus Ministry Programs	25
Campus Recreation and Intramural Services	18
Cancellation of Courses and Staffing	33
Career Development Center	18
Center for Academic Development and Assessment	23
Center for Academic Advising and Adult Learning	23
Center for Academic Advising and Adult Learning, Admission (Non-Traditional Student)	14
CHEMISTRY AND BIOCHEMISTRY	91
Chemistry Major, Minor	91
Child Advocacy Concentration	165
Child Care Center	18
Chinese Course Descriptions	174
CLASSICS AND GENERAL HUMANITIES	95
Classics Major, Minor	95
Class Standing	33
Cognitive Science Minor	237
College and Schools	8
College of Education and Human Services	8
College of Humanities and Social Sciences	8
College of Science and Mathematics	9
College Level Examination Program (CLEP)	33
Combined Programs	243
Bachelor of Science/Doctor of Dental Medicine	
Bachelor of Science/Doctor of Medicine	
Bachelor of Science/Doctor of Pharmacy	
Bachelor of Science/Doctor of Physical Therapy	
Bachelor of Science/Master of Physician Assistant	
Commencement	33
Commercial Recreation and Tourism Concentration	142
Communication Disorders Center	18
COMMUNICATION SCIENCES AND DISORDERS	99
COMMUNICATION STUDIES	100
Communications Studies major	100
Community Health Services Concentration	139
COMPUTER SCIENCE	103
Computer Science Concentration, Science Informatics	213
Computer Science Major	103
Computer Science Minor	104
Concentrations, Degree Programs and	4
Conference Services, Scheduling (Student Center)	28
Confidentiality	25
CONSERVATION, NEW JERSEY SCHOOL OF	248
Consumer Affairs Concentration	155
Consumer Affairs Minor	158
Cooperative Education	244
Costs	inside front cover, 16
Counseling, Academic	23, 32
COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP	107
Counseling and Psychological Services (CAPS)	25
Course Loads	33
Course Codes, Legend of Alpha	62
Course Overlap	33
Creative Writing Concentration	124
Credit Adjustments for First Year Writing, Waivers and	38
Credit by Examination and Assessment of Life Experience	33
Credit, Transfer	38
Criminal Justice Minor	238
CURRICULUM AND TEACHING	108
Dance Major	226
Dance Minor	227
DANCE, THEATRE AND	226
Dean of Students	25
Deans, Academic	267
Dean's List	34
Degree Programs and Concentrations	4

Degree Requirements	40	French Major, Teacher Education	131
Degrees Offered	inside front cover, 4	French Minor	131
Design Concentration, Production/	227	Freshman Experience	24
Dining Services	25	Gen Ed 2002 Interdisciplinary Courses of Instruction	45
Directions to the Campus, Montclair State	284	General Education Program	40
Disabilities, Services for Students with	26	General Education (1983 GER) Appendix of Courses	51
Dismissal	36	General Education (2002 Gen Ed) Appendix of Courses	45
EARLY CHILDHOOD, ELEMENTARY, AND LITERACY EDUCATION	109	General Education Requirements for Gen Ed 2002 (Bachelor of Arts/ Bachelor of Science)	40
Early and Middle Childhood Education Concentration (K-8 Certification), Family and Child Studies,	155	General Education Requirements for Gen Ed 2002 (Bachelor of Fine Arts/ Bachelor of Music)	43
EARTH AND ENVIRONMENTAL STUDIES	112	General Education Requirements for 1983 GER (Bachelor of Arts/ Bachelor of Science)	49
Earth Science, Second Teaching Field	114	General Education Requirements for 1983 GER (Bachelor of Fine Arts/ Bachelor of Music)	50
ECONOMICS AND FINANCE	119	General Humanities Major	137
Economics Major, Minor	119	Geography Major	112
Education and Human Services, College of	8	Geoscience Major	113
Education Program, Teacher	250	Geoscience Minor	114
EDUCATIONAL FOUNDATIONS	123	German Minor	132
Educational Opportunity Fund (EOF)	24	Global Education Center	19
Electives, Free	40	Grades and Standards	34
Emergency Medical Services	30	Graduate Courses, Undergraduates in	38
ENGLISH	124	Graduate Degree Programs	5, 253
English Major, Minor	124	Graduate School	10
English as a Second Language, Teaching (TESL)	174	Graduation, Application for Final Audit	32
English as a Second Language (ESL)	174	Graduation Honors	35
English, Grammar, Style, Standard	37	Greek Minor	95
English, Provisions for Non-native Speakers of	15	Harry Partch/Microtonal Music Studies Minor	193
English, Waivers and Credit Adjustment for First Year Writing	38	Health Insurance	16, 26
Enrollment	inside front cover	Health and Wellness Center	25
Environmental Justice Concentration, Justice Studies	165	Health, Physical Education and (Dual Teacher Certification)	141
Environmental Science Concentration, Biology	81	Health Careers Program	246
Environmental Science Concentration, Geoscience	114	Health Education Major	139
Environmental Science Concentration, Geography	113	HEALTH PROFESSIONS, PHYSICAL EDUCATION RECREATION AND LEISURE STUDIES	139
Equal Opportunity/Affirmative Action	inside front cover	Health Studies Minor	140
Examinations, Final	34	Hispanic Community Affairs Minor	220
Examination in Physiology and Hygiene	250	HISTORY	151
Exemptions from First Year Writing	38	History Major, Minor	151
Expenses, Student	17	Home Economics Education Concentration	158
Experiential Education, Courses and Programs	244	Honors Program	247
Facilities	inside front cover	Hospitality Management	142
Facilities and Resources	18	Housing, Residence Life	28
Faculty	inside front cover	Human and Intercultural Relations Requirement	250
Faculty, Administration and	267	HUMAN ECOLOGY	155
Family and Child Studies-Child Life Specialist Concentration	155	Human Ecology Major	155
Family and Child Studies - Early and Middle Childhood Concentration (Kindergarten-Grade 8 Teacher Certification)	155	Human Resources	268
Family and Child Studies - Early Childhood Concentration (Preschool-Grade 3 Teacher Certification)	156	Human Services, College of Education and	8
Family and Child Studies-Family Services Concentration	156	Human Services Minor	107
Family and Child Studies-Gerontology Concentration	157	Humanities and Social Sciences, College of	8
Fashion Studies Concentration	157	Humanities Major, General	137
Federal Work-Study Employment	19	Hygiene and Physiology, Examination in	250
Federally Funded Programs (Financial Aid)	27	Identification Cards	28
Fees and Tuition	inside front cover, 16	Immunization Requirements	14, 26
Film Minor	238	Independent Study	35
Final Audit, Application for	32	Industrial Design Concentration	70
Final Examinations	34	Informatics Concentration	104
Finance Concentration	120	INFORMATION AND DECISION SCIENCES	162
Financial Aid	inside front cover, 27	Information Technology	20
Fine Arts, Art History (BA)	70	Intercollegiate Athletics	27
Fine Arts, Education (BA)	71	Interdisciplinary Minors	236
Fine Arts, Studio (BFA)	70	International Business Concentration	180
Fine Arts, Studio Concentration (BA)	70	International Services (Global Education Center)	19
First Year Writing, Waivers and Credit Adjustments for	38	International Students (Admission)	14
Food Management Concentration	158	International Studies Minor	239
Free Electives	40	International Summer Institutes	19
FRENCH, GERMAN, AND RUSSIAN	130	ITALIAN, SPANISH/	219
French Civilization Concentration	130	Italian Major, Minor	221
French Major	130		

Joint Admissions and Transfer Articulation Agreements with Community Colleges	14	Philosophy Major, Minor	200
Journalism Minor	124	Physical Education, Adult Fitness Concentration	141
Justice Studies Major	165	Physical Education and Health (Dual Teacher Certification)	141
Justice Studies Major, Child Advocacy Concentration	165	PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES, HEALTH PROFESSIONS	139
Justice Studies Major, Justice Systems Concentration	166	Physical Science, Second Teaching Field in	92, 184
Justice Studies Major, Paralegal Studies Concentration	166	Physics, Major, Minor	184
Language Placement Testing	20	Physics, Astronomy Concentration	184
Latin American and Latino Studies Minor	241	Physiology and Hygiene, Examination in	250
Latin Major, Minor	95	Plagiarism	35
Leave of Absence	35	Police and Security, University	30
LEGAL STUDIES	168	POLITICAL SCIENCE	205
Library	20	Political Science Major, Minor	205
Library Research and Documentation	37	Portrait of a Teacher	251
LINGUISTICS	173	Praxis	252
Linguistics Major, Minor	173	Pre-Law Advisor	21
LITERACY EDUCATION, EARLY CHILDHOOD, ELEMENTARY AND	109	Pre-Law Studies Program, Minor	169
Literacy Enrichment Center	21	Prerequisite Courses	35
Location	inside front cover, 282	President's Division	267
Major Declaration	35	Probation	36
Major Field	40	Production/Design Concentration	227
Majors, Concentrations, Minors, Certificate Programs	4	Professional Computing Concentration	103
MANAGEMENT	178	Professional Sequences for Teacher Education Certification	251
Management Concentration	178	Psychoeducational Center	21
Management Information Systems Concentration	162	Psychological Services, Counseling and (CAPS)	25
Map, Directions to the Campus, Montclair State	284	PSYCHOLOGY	209
Map, Montclair State Campus	inside back cover	Psychology Major, Minor	209
MARKETING	180	Public Administration Minor	206
Marketing Concentration	180	Public Relations Concentration	100
Mathematics, College of Science and	9	Quantitative Methods Concentration	162
MATHEMATICAL SCIENCES	183	Readmission	15
Mathematics Majors	183	RECREATION AND LEISURE STUDIES, PHYSICAL EDUCATION, HEALTH PROFESSIONS	139
Mathematics Minor	184	Recreation and Tourism Concentration, Commercial	142
Ministry Programs, Campus	25	Recreation Professions Major	142
Molecular Biology concentration, Science Informatics	213	Refund of Tuition and Fees	16
Molecular Biology Major	80	Refund and Withdrawal Policies	16
Multicultural Awareness Requirement	57	Registration	35
MUSIC	189	RELIGION, PHILOSOPHY AND	200
Music (Combined B.A./B.Mus. 5 year program)	193	Religious Studies Major, Minor	200
Music Education Concentration	190	Repeated Courses	36
Music Minor	193	Requirements for the Undergraduate Degree	40
Music, Performance Concentration	192	Research and Documentation, Library	37
Music, Theory Composition Concentration	192	Residence Life	28
Music Therapy Major	191	Residence Requirements	36
Musical Theatre Minor	227	Resources and Facilities	18
NEW JERSEY SCHOOL OF CONSERVATION	248	Retail Merchandising and Management Concentration	180
New Jersey Programs (Financial Aid)	27	Russian Area Studies Minor	132
New Jersey Teacher Test Requirement	252	Russian Minor	132
New Student Experience	24	Satisfactory Academic Progress (for Financial Aid)	27
Non-Accredited Institutions, Transfer Credit	38	Scheduling/Conference Services (for Student Center)	28
Non-Native Speakers of English, Provisions for	15	Scholarships and Awards	27, 255
Non-Traditional Student	14	School of Business	10
Nutrition and Food Science-Dietetics Concentration	157	School of the Arts	9
Nutrition and Food Science-General Concentration	157	Science and Mathematics, College of	9
Nutrition and Food Science Minor	158	Science Informatics Major	213
Officers of the University	267	Second Baccalaureate Students	15
Older Adult Tuition Waiver Program	24	Service Learning Program	245
Organizational Communication Concentration	100	Services for Students with Disabilities	26
Panzer School Council	21	Smoking Regulation	inside front cover
Paralegal Studies Concentration, Justice Studies	166	Social Sciences, College of Humanities and	8
Paralegal Studies Program	168	Social Studies Teacher Certification	113, 119, 151, 209, 215
Paralegal Studies Minor	168	SOCIOLOGY	215
Parking, Transportation and	22	Sociology Major, Minor	215
Part-Time Students (Admission)	13	SPANISH/ITALIAN	219
Pass/Fail Grading	35	Spanish Major, Minor	219, 220
Payment Plan, Monthly	16	Spanish Major, Translation Concentration	219
Performance Concentrations, Music	192	Special Education	249
PHILOSOPHY AND RELIGION	200	Special Fees	16

Speech Communication Concentration	100
Speech Communication Minor	100
Staffing, Cancellation of Courses and	33
Standard English, Grammar, Style	37
Standards for Academic Progress	36
Standards for Formal Written Work	36
Student Activities	28
Student Development and Campus Life	23, 269
Student Center	28
Student Government Association, Inc. (SGA)	29
Student Organizations of the SGA	29
Student Responsibility	37
Student Rights	37
Students with Disabilities, Services for	26
Studio BFA))	70
Studio Concentration (BA)	70
Study Abroad (Global Education Center)	19
Summer Sessions	21
Suspension	36
Teacher Education, Admission to	250
Teacher Education Program	250
TEACHING, CURRICULUM AND	108
Teaching English as a Second Language (TESL)	173
Television Center	22
Theatre Major (B.F.A.)	226
Theatre Minor	227
THEATRE AND DANCE	226
Theatre Studies Major (B.A.)	226
Theory/Composition Concentration	192
Title II Report Summary	253
Tourism and Recreation Concentration, Commercial	142
Transcripts	37
Transfer Credit	38
Transfer Credit, Non-Accredited Institutions	38
Transfer Students	13
Translation Concentration, French	130
Translation Concentration, Spanish	219
Transportation and Parking	22
Trustees, Board of	267
Tuition and Fees	16
Tuition, Older Adult Waiver Program	24
Undergraduate Degree Programs and Concentrations	4
Undergraduate Degree, Requirements for the	40
Undergraduate Program, Statement on the	3
Undergraduates in Graduate Courses	38
University Advancement	269
University Police Department	30
Urban Studies Concentration	113
Urban Studies Minor	114
Veterans	27
Visiting Students	27
Waivers and Credit Adjustments for First Year Writing	38
Welcome Week	24
Wellness Center, Health and	25
Wellness Education	26
Wellness Services	25
Withdrawal from Courses	38
Withdrawal from Montclair State	39
Women's Center	27
Women's Studies Major	233
Women's Studies Minor	233
Work-Study Employment, Federal (Financial Aid)	19, 27
Writing Center	22
Writing Requirement	58
Written Work, Standards for Formal	36



DIRECTIONS TO CAMPUS

Montclair State University is on Valley Road and Normal Avenue, Upper Montclair, N.J. one mile south of the junction of routes 3 and 46.

By Car From:

Bloomfield Ave., Montclair: North on Valley Road, 3.3 miles to Normal Avenue light, turn left.

Route 46 (East and West): Valley Road, Montclair exit (at Route 3 junction), south for approximately one mile to Normal Avenue light, turn right.

Route 3: Valley Road, Montclair exit (at Route 46 junction), south for approximately one mile to Normal Avenue light, turn right.

Garden State Parkway North: Exit 153B (left lane) to Route 3 West to Valley Road. Montclair exit, left one mile to Normal Avenue light, turn right.

Garden State Parkway South: Exit 154 to Route 46 West, to Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right.

New Jersey Turnpike: Exit 16W to Route 3, Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right. Motorists traveling on the Turnpike south of Exit 11 may exit there to Garden State Parkway North.

Lincoln Tunnel: Follow to Route 3.

George Washington Bridge: Route 80 to Garden State Parkway South.

By Public Transportation* From:

New York City (by train): Take PATH Service to Hoboken, transfer to NJ Transit Boonton Line, and get off at Montclair Heights Station at southwest

corner of campus. (*Service available only on weekdays in the afternoon and evening.*)

New York City (by bus): DeCamp Bus No. 66 leaves from the Port Authority Bus Terminal; get off at Mt. Hebron and Valley roads, turn right (north) on Valley, and walk one block to the Normal Avenue traffic light, then turn left to campus entrance.

Newark: NJ Transit Bus No. 28 originates at Macy's, Washington and Hill streets, and terminates its run on campus.

Paterson: NJ Transit Bus No. 72 originates at Broadway Terminal, Paterson, and goes to Broad Street, Bloomfield. Change to No. 28 at Bloomfield Center.

The Oranges: Take One Bus Co. No. 44 to Main and Day streets in Orange. Connect to NJ Transit Bus No. 92 to Glenwood and Bloomfield avenues. Change to NJ Transit Bus No. 28

Passaic: NJ Transit Bus No. 705 originates at Main Street and Passaic Avenue in Passaic and travels through Clifton to Montclair State University.

Wayne: NJ Transit Bus 705 originates at Willowbrook Mall and ends its run on campus.

*Subject to change without notice. Information available from New Jersey Transit, 800-772-2222.



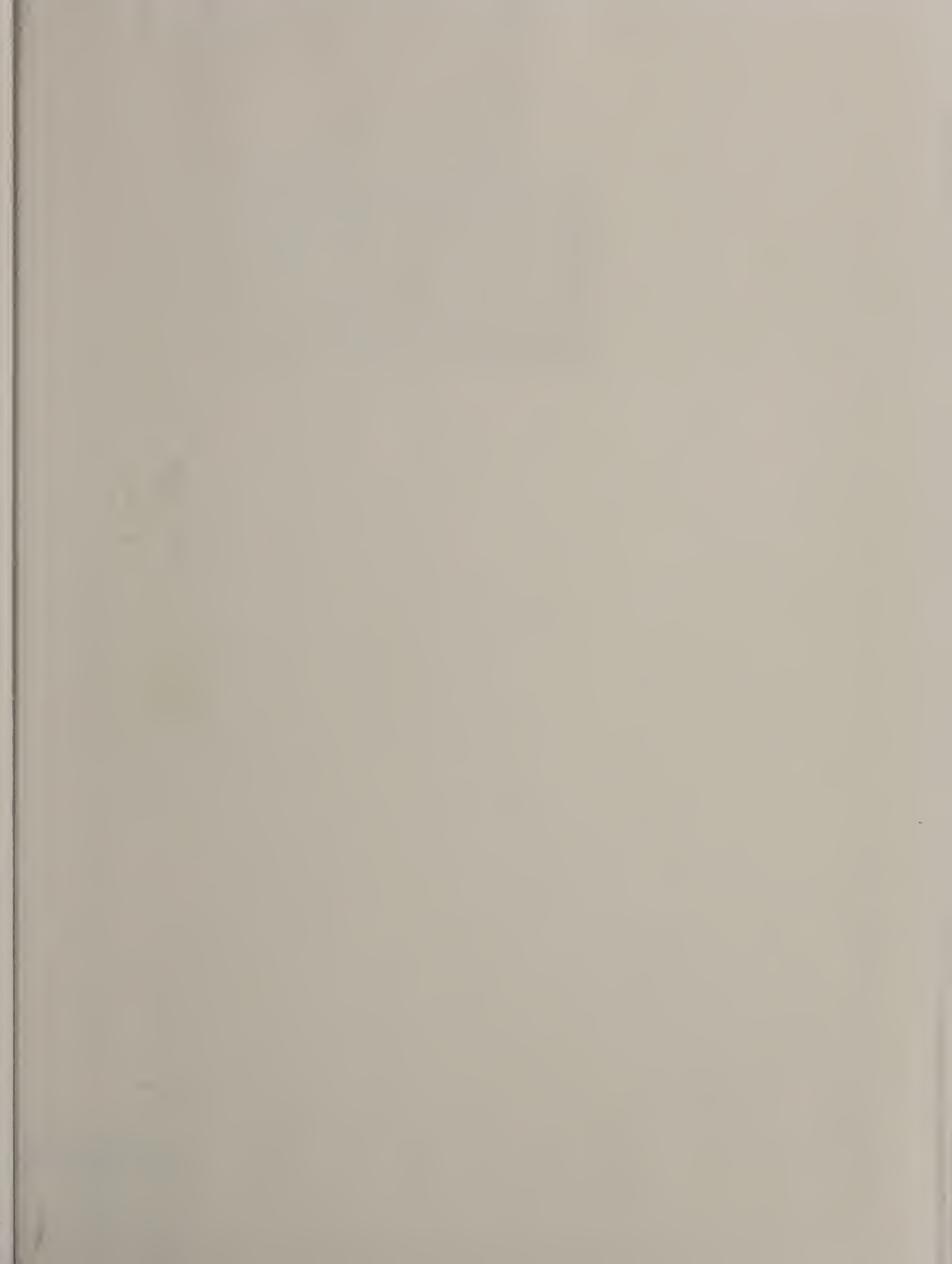
PARKING		BUILDINGS	
1-5	Faculty & Staff	4-10	Undergraduate Admissions
6	Visitor	11-15	Alumni Green
7	Faculty & Staff	16-20	Alumni House
8	Red Hawk Parking Deck	21-25	Architectural & Engineering Services
9	Handicapped & Service	26-30	Bohn Hall
10	Faculty & Staff	31-35	Blanton Hall
11-15	Red Hawk Dinar	36-40	Bond House
16	Faculty & Staff	41-45	Broadcasting
17	Student	46-50	Calcia Hall
18-30		51-55	
		56-60	
		61-65	
		66-70	
		71-75	
		76-80	
		81-85	
		86-90	
		91-95	
		96-100	
		101-105	
		106-110	
		111-115	
		116-120	
		121-125	
		126-130	
		131-135	
		136-140	
		141-145	
		146-150	
		151-155	
		156-160	
		161-165	
		166-170	
		171-175	
		176-180	
		181-185	
		186-190	
		191-195	
		196-200	
		201-205	
		206-210	
		211-215	
		216-220	
		221-225	
		226-230	
		231-235	
		236-240	
		241-245	
		246-250	
		251-255	
		256-260	
		261-265	
		266-270	
		271-275	
		276-280	
		281-285	
		286-290	
		291-295	
		296-300	
		301-305	
		306-310	
		311-315	
		316-320	
		321-325	
		326-330	
		331-335	
		336-340	
		341-345	
		346-350	
		351-355	
		356-360	
		361-365	
		366-370	
		371-375	
		376-380	
		381-385	
		386-390	
		391-395	
		396-400	
		401-405	
		406-410	
		411-415	
		416-420	
		421-425	
		426-430	
		431-435	
		436-440	
		441-445	
		446-450	
		451-455	
		456-460	
		461-465	
		466-470	
		471-475	
		476-480	
		481-485	
		486-490	
		491-495	
		496-500	
		501-505	
		506-510	
		511-515	
		516-520	
		521-525	
		526-530	
		531-535	
		536-540	
		541-545	
		546-550	
		551-555	
		556-560	
		561-565	
		566-570	
		571-575	
		576-580	
		581-585	
		586-590	
		591-595	
		596-600	
		601-605	
		606-610	
		611-615	
		616-620	
		621-625	
		626-630	
		631-635	
		636-640	
		641-645	
		646-650	
		651-655	
		656-660	
		661-665	
		666-670	
		671-675	
		676-680	
		681-685	
		686-690	
		691-695	
		696-700	
		701-705	
		706-710	
		711-715	
		716-720	
		721-725	
		726-730	
		731-735	
		736-740	
		741-745	
		746-750	
		751-755	
		756-760	
		761-765	
		766-770	
		771-775	
		776-780	
		781-785	
		786-790	
		791-795	
		796-800	
		801-805	
		806-810	
		811-815	
		816-820	
		821-825	
		826-830	
		831-835	
		836-840	
		841-845	
		846-850	
		851-855	
		856-860	
		861-865	
		866-870	
		871-875	
		876-880	
		881-885	
		886-890	
		891-895	
		896-900	
		901-905	
		906-910	
		911-915	
		916-920	
		921-925	
		926-930	
		931-935	
		936-940	
		941-945	
		946-950	
		951-955	
		956-960	
		961-965	
		966-970	
		971-975	
		976-980	
		981-985	
		986-990	
		991-995	
		996-1000	

- Faculty & Staff
- Visitor
- Faculty & Staff
- Red Hawk Parking Deck
- Handicapped & Service
- Faculty & Staff
- Red Hawk Dinar
- Faculty & Staff
- Student
- Undergraduate Admissions
- Alumni Green
- Alumni House
- Architectural & Engineering Services
- Bohn Hall
- Blanton Hall
- Bond House
- Broadcasting
- Calcia Hall
- Cogeneration Plant
- Chaplin Hall
- Clova Road Apartments
- Center for Continuing Education
- Collegia Hall
- Dickson Hall
- Drop-in Center
- Field House
- Finley Hall
- Freeman Hall
- Gilbreth House
- Global Education Center
- IAPC
- Sprague Library
- Lifa Hall
- Maintenance
- McEachern Hall
- Memorial Auditorium
- Mallory Hall
- Morehead Hall
- Newman House
- Partridge Hall
- President's House
- Psychoeducational Center
- Panzar Gymnasium
- Richardson Hall
- Russ Hall & Admissions
- University Police
- Student Center
- Speech Building
- Stona Hall/Child Care Center
- Sciencia Hall
- Wabatar Hall



The state of learning in New Jersey.

Office of Admissions
Montclair, New Jersey 07043



MONTCLAIR STATE UNIVERSITY



3 3000 01007 172 9

46 5444146

REF LD 3780 .N3 A12

Montclair State University
undergraduate catalogs

HECKMAN
BINDERY, INC.
Bound-To-Pleasure®
AUG 04
N. MANCHESTER, INDIANA 46962



